

Supplementary Table1

| Compound | CAS ID | Canonical SMILES | Target | Probability |
|--|-------------|--|----------|-------------|
| 2-Hexaprenyl-6-methoxy-1,4-benzoquinone | — | <chem>CC(=CCCC(=CCCC(=CCCC(=CCCC(=CCCC(=CCC1=C</chem> <chem>C(=O)C=C(C1=O)OC)C)C)C)C)C</chem> | ALOX5 | 0.151273102 |
| 2-Hexaprenyl-6-methoxy-1,4-benzoquinone | — | <chem>CC(=CCCC(=CCCC(=CCCC(=CCCC(=CCCC(=CCC1=C</chem> <chem>C(=O)C=C(C1=O)OC)C)C)C)C)C</chem> | MPEG1 | 0.086885855 |
| 4-Amino-1-piperidinecarboxylic acid | 959317-82-9 | <chem>C1CN(CCC1N)C(=O)O</chem> | CHRNA4 | 0.064951087 |
| 4-Amino-1-piperidinecarboxylic acid | 959317-82-9 | <chem>C1CN(CCC1N)C(=O)O</chem> | OAT | 0.054487947 |
| 4-Amino-1-piperidinecarboxylic acid | 959317-82-9 | <chem>C1CN(CCC1N)C(=O)O</chem> | ENPEP | 0.044308319 |
| 4-Amino-1-piperidinecarboxylic acid | 959317-82-9 | <chem>C1CN(CCC1N)C(=O)O</chem> | SLC1A2 | 0.044308319 |
| 4-Amino-1-piperidinecarboxylic acid | 959317-82-9 | <chem>C1CN(CCC1N)C(=O)O</chem> | PEPD | 0.044308319 |
| 4-Amino-1-piperidinecarboxylic acid | 959317-82-9 | <chem>C1CN(CCC1N)C(=O)O</chem> | CPB2 | 0.03397069 |
| 4-Amino-1-piperidinecarboxylic acid | 959317-82-9 | <chem>C1CN(CCC1N)C(=O)O</chem> | PLG | 0.03397069 |
| 4-Amino-1-piperidinecarboxylic acid | 959317-82-9 | <chem>C1CN(CCC1N)C(=O)O</chem> | CPN1 | 0.023832743 |
| 4-Amino-1-piperidinecarboxylic acid | 959317-82-9 | <chem>C1CN(CCC1N)C(=O)O</chem> | CHRNA3 | 0.023832743 |
| 4-Amino-1-piperidinecarboxylic acid | 959317-82-9 | <chem>C1CN(CCC1N)C(=O)O</chem> | CHRNA7 | 0.023832743 |
| 4-Amino-1-piperidinecarboxylic acid | 959317-82-9 | <chem>C1CN(CCC1N)C(=O)O</chem> | ANPEP | 0.023832743 |
| 4-Amino-1-piperidinecarboxylic acid | 959317-82-9 | <chem>C1CN(CCC1N)C(=O)O</chem> | GABBR2 | 0.023832743 |
| 4-Amino-1-piperidinecarboxylic acid | 959317-82-9 | <chem>C1CN(CCC1N)C(=O)O</chem> | CACNA2D1 | 0.023832743 |
| 4-Amino-1-piperidinecarboxylic acid | 959317-82-9 | <chem>C1CN(CCC1N)C(=O)O</chem> | SLC6A12 | 0.023832743 |
| 4-Amino-1-piperidinecarboxylic acid | 959317-82-9 | <chem>C1CN(CCC1N)C(=O)O</chem> | ADORA3 | 0.023832743 |
| 4-Amino-1-piperidinecarboxylic acid | 959317-82-9 | <chem>C1CN(CCC1N)C(=O)O</chem> | CHRN2 | 0.064951087 |
| 4-Amino-1-piperidinecarboxylic acid | 959317-82-9 | <chem>C1CN(CCC1N)C(=O)O</chem> | CHRN4 | 0.023832743 |
| 4-Amino-1-piperidinecarboxylic acid | 959317-82-9 | <chem>C1CN(CCC1N)C(=O)O</chem> | GABBR1 | 0.023832743 |
| 5-Megastigmen-7-yne-3,9-diol 3-glucoside | 62512-27-0 | <chem>CC1=C(C(CC(C1)OC2C(C(C(C(O2)CO)O)O)(C)C)C#C</chem> <chem>C(C)O</chem> | SLC5A2 | 0.109339753 |

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| 5-Megastigmen-7-yne-3,9-diol 3-glucoside | 62512-2 7-0 | CC1=C(C(CC(C1)OC2C(C(C(C(O2)CO)O)O)O)(C)C)C#C C(C)O | SLC5A1 | 0.109339753 |
| 5-Megastigmen-7-yne-3,9-diol 3-glucoside | 62512-2 7-0 | CC1=C(C(CC(C1)OC2C(C(C(C(O2)CO)O)O)O)(C)C)C#C C(C)O | TYR | 0.109339753 |
| 5-Megastigmen-7-yne-3,9-diol 3-glucoside | 62512-2 7-0 | CC1=C(C(CC(C1)OC2C(C(C(C(O2)CO)O)O)O)(C)C)C#C C(C)O | ADORA1 | 0.109339753 |
| 5-Megastigmen-7-yne-3,9-diol 3-glucoside | 62512-2 7-0 | CC1=C(C(CC(C1)OC2C(C(C(C(O2)CO)O)O)O)(C)C)C#C C(C)O | ADORA2 A | 0.109339753 |
| 5-Megastigmen-7-yne-3,9-diol 3-glucoside | 62512-2 7-0 | CC1=C(C(CC(C1)OC2C(C(C(C(O2)CO)O)O)O)(C)C)C#C C(C)O | IL2 | 0.109339753 |
| 5-Megastigmen-7-yne-3,9-diol 3-glucoside | 62512-2 7-0 | CC1=C(C(CC(C1)OC2C(C(C(C(O2)CO)O)O)O)(C)C)C#C C(C)O | CA2 | 0.109339753 |
| 5-Megastigmen-7-yne-3,9-diol 3-glucoside | 62512-2 7-0 | CC1=C(C(CC(C1)OC2C(C(C(C(O2)CO)O)O)O)(C)C)C#C C(C)O | CA1 | 0.109339753 |
| 5-Megastigmen-7-yne-3,9-diol 3-glucoside | 62512-2 7-0 | CC1=C(C(CC(C1)OC2C(C(C(C(O2)CO)O)O)O)(C)C)C#C C(C)O | F3 | 0.109339753 |
| 5-Megastigmen-7-yne-3,9-diol 3-glucoside | 62512-2 7-0 | CC1=C(C(CC(C1)OC2C(C(C(C(O2)CO)O)O)O)(C)C)C#C C(C)O | HRAS | 0.109339753 |
| 5-Megastigmen-7-yne-3,9-diol 3-glucoside | 62512-2 7-0 | CC1=C(C(CC(C1)OC2C(C(C(C(O2)CO)O)O)O)(C)C)C#C C(C)O | ADORA3 | 0.109339753 |
| 5-Megastigmen-7-yne-3,9-diol 3-glucoside | 62512-2 7-0 | CC1=C(C(CC(C1)OC2C(C(C(C(O2)CO)O)O)O)(C)C)C#C C(C)O | IGFBP3 | 0.109339753 |
| 5-Megastigmen-7-yne-3,9-diol 3-glucoside | 62512-2 7-0 | CC1=C(C(CC(C1)OC2C(C(C(C(O2)CO)O)O)O)(C)C)C#C C(C)O | CA12 | 0.109339753 |
| 5-Megastigmen-7-yne-3,9-diol 3-glucoside | 62512-2 7-0 | CC1=C(C(CC(C1)OC2C(C(C(C(O2)CO)O)O)O)(C)C)C#C C(C)O | CA14 | 0.109339753 |
| 5-Megastigmen-7-yne-3,9-diol 3-glucoside | 62512-2 7-0 | CC1=C(C(CC(C1)OC2C(C(C(C(O2)CO)O)O)O)(C)C)C#C C(C)O | CA9 | 0.109339753 |
| 5-Megastigmen-7-yne-3,9-diol 3-glucoside | 62512-2 7-0 | CC1=C(C(CC(C1)OC2C(C(C(C(O2)CO)O)O)O)(C)C)C#C C(C)O | SLC29A1 | 0.109339753 |
| 5-Megastigmen-7-yne-3,9-diol 3-glucoside | 62512-2 7-0 | CC1=C(C(CC(C1)OC2C(C(C(C(O2)CO)O)O)O)(C)C)C#C C(C)O | EPHX2 | 0.109339753 |
| Corchoionoside B | 189344- 54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | HSD11B2 | 0.115736675 |
| Corchoionoside B | 189344- 54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | PTPN1 | 0.115736675 |
| Corchoionoside B | 189344- 54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | SLC5A2 | 0.115736675 |
| Corchoionoside B | 189344- 54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | CA2 | 0.115736675 |
| Corchoionoside B | 189344- 54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | CA1 | 0.115736675 |
| Corchoionoside B | 189344- 54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | CA12 | 0.115736675 |

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| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | CA9 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | ADORA3 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | MMP9 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | SLC5A1 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | ADORA2 A | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | TYR | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | OGA | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | HSD11B1 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | SLC29A1 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | CA14 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | PPP1CC | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | PPP2CA | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | PPP2R5A | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | IL2 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | ADA | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | HDAC1 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | GLI1 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | GBA | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | FUCA1 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | MME | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | MMP13 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | MMP1 | 0.115736675 |

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| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | MMP7 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | MMP12 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | MMP8 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | CDK2 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | ADK | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | EGFR | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | PTPN11 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | CA7 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | NEU3 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | CA13 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | NEU4 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | GAA | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | HK2 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | HK1 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | MANBA | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | HSPA8 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | MAPK10 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | HRAS | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | LGALS3 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | LGALS9 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | MMP3 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | ADAM17 | 0.115736675 |

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| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | AKR1B1 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | CDA | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | ERN1 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | TYMP | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | TOP1 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | FLT1 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | KIT | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | GAPDH | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | PNP | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | SLC28A2 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | SLC5A4 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | CDK1 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | TK1 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | CA6 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | CA4 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | CA5A | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | KDM4C | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | F2 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | CDK9 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | CSNK2A1 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | HSPA5 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | IGFBP3 | 0.115736675 |

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| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | FOLH1 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | AMD1 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | ADORA1 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | VARS | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | LARS | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | MGAM | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | MAG | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | CXCR2 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | CCNA1 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | CCNA2 | 0.115736675 |
| Corchoionoside B | 189344-54-5 | CC1=CC(=O)CC(C1(C=CC(=O)COC2C(C(C(C(O2)CO)O)O)O)(C)C | CCNT1 | 0.115736675 |
| Ilicifolinoside A | — | CC(=CCO)COC1C(C(C(C(O1)CO)O)O)O | CDA | 0.053556076 |
| Ilicifolinoside A | — | CC(=CCO)COC1C(C(C(C(O1)CO)O)O)O | PYGM | 0.053556076 |
| Ilicifolinoside A | — | CC(=CCO)COC1C(C(C(C(O1)CO)O)O)O | VEGFA | 0.053556076 |
| Ilicifolinoside A | — | CC(=CCO)COC1C(C(C(C(O1)CO)O)O)O | FGF1 | 0.053556076 |
| Ilicifolinoside A | — | CC(=CCO)COC1C(C(C(C(O1)CO)O)O)O | FGF2 | 0.053556076 |
| Ilicifolinoside A | — | CC(=CCO)COC1C(C(C(C(O1)CO)O)O)O | HPSE | 0.053556076 |
| Ilicifolinoside A | — | CC(=CCO)COC1C(C(C(C(O1)CO)O)O)O | ADA | 0.053556076 |
| Ilicifolinoside A | — | CC(=CCO)COC1C(C(C(C(O1)CO)O)O)O | MGAM | 0.053556076 |
| Ilicifolinoside A | — | CC(=CCO)COC1C(C(C(C(O1)CO)O)O)O | ADORA1 | 0.053556076 |
| Ilicifolinoside A | — | CC(=CCO)COC1C(C(C(C(O1)CO)O)O)O | ADORA2 A | 0.053556076 |
| Ilicifolinoside A | — | CC(=CCO)COC1C(C(C(C(O1)CO)O)O)O | FOLH1 | 0.053556076 |
| Ilicifolinoside A | — | CC(=CCO)COC1C(C(C(C(O1)CO)O)O)O | PSEN2 | 0.053556076 |
| Ilicifolinoside A | — | CC(=CCO)COC1C(C(C(C(O1)CO)O)O)O | SI | 0.053556076 |
| Ilicifolinoside A | — | CC(=CCO)COC1C(C(C(C(O1)CO)O)O)O | TREH | 0.053556076 |
| Ilicifolinoside A | — | CC(=CCO)COC1C(C(C(C(O1)CO)O)O)O | CDK1 | 0.053556076 |
| Ilicifolinoside A | — | CC(=CCO)COC1C(C(C(C(O1)CO)O)O)O | PNP | 0.053556076 |
| Ilicifolinoside A | — | CC(=CCO)COC1C(C(C(C(O1)CO)O)O)O | ADORA3 | 0.053556076 |
| Ilicifolinoside A | — | CC(=CCO)COC1C(C(C(C(O1)CO)O)O)O | ADK | 0.053556076 |
| Ilicifolinoside A | — | CC(=CCO)COC1C(C(C(C(O1)CO)O)O)O | AMY2A | 0.053556076 |
| Ilicifolinoside A | — | CC(=CCO)COC1C(C(C(C(O1)CO)O)O)O | GGH | 0.053556076 |
| Ilicifolinoside A | — | CC(=CCO)COC1C(C(C(C(O1)CO)O)O)O | PIN1 | 0.053556076 |

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| Ilicifolinoside A | — | CC(=CCO)COC1C(C(C(C(O1)CO)O)O)O | DPP4 | 0.053556076 |
| Ilicifolinoside A | — | CC(=CCO)COC1C(C(C(C(O1)CO)O)O)O | HSPA8 | 0.053556076 |
| Ilicifolinoside A | — | CC(=CCO)COC1C(C(C(C(O1)CO)O)O)O | HSPA5 | 0.053556076 |
| Ilicifolinoside A | — | CC(=CCO)COC1C(C(C(C(O1)CO)O)O)O | OGA | 0.053556076 |
| Ilicifolinoside A | — | CC(=CCO)COC1C(C(C(C(O1)CO)O)O)O | NAALAD2 | 0.053556076 |
| Ilicifolinoside A | — | CC(=CCO)COC1C(C(C(C(O1)CO)O)O)O | LGALS4 | 0.053556076 |
| Ilicifolinoside A | — | CC(=CCO)COC1C(C(C(C(O1)CO)O)O)O | LGALS8 | 0.053556076 |
| Ilicifolinoside A | — | CC(=CCO)COC1C(C(C(C(O1)CO)O)O)O | CDK2 | 0.053556076 |
| Ilicifolinoside A | — | CC(=CCO)COC1C(C(C(C(O1)CO)O)O)O | PSENE1 | 0.053556076 |
| Ilicifolinoside A | — | CC(=CCO)COC1C(C(C(C(O1)CO)O)O)O | NCSTN | 0.053556076 |
| Ilicifolinoside A | — | CC(=CCO)COC1C(C(C(C(O1)CO)O)O)O | APH1A | 0.053556076 |
| Ilicifolinoside A | — | CC(=CCO)COC1C(C(C(C(O1)CO)O)O)O | PSEN1 | 0.053556076 |
| Ilicifolinoside A | — | CC(=CCO)COC1C(C(C(C(O1)CO)O)O)O | APH1B | 0.053556076 |
| Ilicifolinoside A | — | CC(=CCO)COC1C(C(C(C(O1)CO)O)O)O | CCNA1 | 0.053556076 |
| Ilicifolinoside A | — | CC(=CCO)COC1C(C(C(C(O1)CO)O)O)O | CCNA2 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | MAOA | 1 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | MAOB | 1 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | HTR1A | 1 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | AKR1C3 | 0.062621967 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | HRH3 | 0.062621967 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | HPGDS | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | KCNA5 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | EPHX2 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | PARP1 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | AR | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | PRKDC | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | P2RX7 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | CYP17A1 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | WNT3A | 0.053556076 |
| Moclobemide | 71320-7 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | HSD11B1 | 0.053556076 |

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| | 7-9 | | | |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | PIM1 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | PIK3CB | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | PIM2 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | ALPL | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | DUSP3 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | PTPN1 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | CDC25B | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | HRH1 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | BRD3 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | DYRK1A | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | CLK4 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | MKNK1 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | PDE9A | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | PDE1C | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | RAD51 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | RAD1 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | BCL2A1 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | PIK3CD | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | CD38 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | LIPE | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | PDE10A | 0.053556076 |
| Moclobemide | 71320-7 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | ADORA1 | 0.053556076 |

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| | 7-9 | | | |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | ADORA2 A | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | ADORA2B | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | PDE4B | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | PRKCZ | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | PRMT3 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | EDNRB | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | EDNRA | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | ATM | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | CFTR | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | TBXAS1 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | GSK3B | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | CSNK1D | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | MMP12 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | CSNK1E | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | CCR9 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | RPS6KB1 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | LSS | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | PDE4D | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | BRD4 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | TYMS | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | LTA4H | 0.053556076 |
| Moclobemide | 71320-7 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | ECE1 | 0.053556076 |

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| | 7-9 | | | |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | MAPKAP K2 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | PFKFB3 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | FFAR1 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | KMT5A | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | FLT1 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | P2RY12 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | CDC25C | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | KDR | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | CDC25A | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | AKT1 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | CDK1 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | PDGFRB | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | EGFR | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | ESR2 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | LDHA | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | CDK5 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | STS | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | BRS3 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | BACE1 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | CRHR1 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | CDK4 | 0.053556076 |
| Moclobemide | 71320-7 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | CDC7 | 0.053556076 |

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| | 7-9 | | | |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | ESR1 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | DDAH1 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | MALT1 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | GRK2 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | GAK | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | RPS6KA2 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | KCNMA1 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | CA2 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | CA1 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | LRRK2 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | BRD2 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | PTGFR | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | PTGER3 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | TDP2 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | NOS2 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | PDE5A | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | PDE3A | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | PDE2A | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | PDE11A | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | CDK5R1 | 0.053556076 |
| Moclobemide | 71320-7 7-9 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | PFKFB4 | 0.053556076 |
| Moclobemide | 71320-7 | C1COCCN1CCNC(=O)C2=CC=C(C=C2)Cl | CCNB1 | 0.053556076 |

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| | 7-9 | | | | |
| Molludistin 2"-rhamnoside | — | CC1C(C(C(C(O1)OC2C(C(COC2C3=C(C=C(C4=C3OC(=CC4=O)C5=CC=C(C=C5)O)O)OC)O)O)O)O)O | AKR1B1 | 0.105306196 | |
| Perilloside C | 146763-94-2 | CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O | PSEN2 | 0.119403562 | |
| Perilloside C | 146763-94-2 | CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O | VEGFA | 0.111501865 | |
| Perilloside C | 146763-94-2 | CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O | FGF1 | 0.111501865 | |
| Perilloside C | 146763-94-2 | CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O | FGF2 | 0.111501865 | |
| Perilloside C | 146763-94-2 | CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O | HSP90AA1 | 0.111501865 | |
| Perilloside C | 146763-94-2 | CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O | HPSE | 0.111501865 | |
| Perilloside C | 146763-94-2 | CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O | IL2 | 0.111501865 | |
| Perilloside C | 146763-94-2 | CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O | ADORA1 | 0.111501865 | |
| Perilloside C | 146763-94-2 | CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O | SLC5A1 | 0.111501865 | |
| Perilloside C | 146763-94-2 | CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O | ADK | 0.111501865 | |
| Perilloside C | 146763-94-2 | CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O | SLC29A1 | 0.111501865 | |
| Perilloside C | 146763-94-2 | CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O | ADORA2A | 0.111501865 | |
| Perilloside C | 146763-94-2 | CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O | ADORA3 | 0.111501865 | |
| Perilloside C | 146763-94-2 | CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O | PYGL | 0.111501865 | |
| Perilloside C | 146763-94-2 | CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O | STAT3 | 0.111501865 | |
| Perilloside C | 146763-94-2 | CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O | RORC | 0.111501865 | |
| Perilloside C | 146763-94-2 | CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O | LGALS3 | 0.111501865 | |
| Perilloside C | 146763-94-2 | CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O | HK2 | 0.111501865 | |
| Perilloside C | 146763-94-2 | CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O | HK1 | 0.111501865 | |
| Perilloside C | 146763-94-2 | CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O | ADORA2B | 0.111501865 | |
| Perilloside C | 146763-94-2 | CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O | MAPK14 | 0.111501865 | |

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| | 94-2 | | | |
| Perilloside C | 146763-94-2 | <chem>CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O</chem> | LGALS4 | 0.111501865 |
| Perilloside C | 146763-94-2 | <chem>CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O</chem> | LGALS8 | 0.111501865 |
| Perilloside C | 146763-94-2 | <chem>CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O</chem> | PTAFR | 0.111501865 |
| Perilloside C | 146763-94-2 | <chem>CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O</chem> | CTSK | 0.111501865 |
| Perilloside C | 146763-94-2 | <chem>CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O</chem> | CTSS | 0.111501865 |
| Perilloside C | 146763-94-2 | <chem>CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O</chem> | P4HTM | 0.111501865 |
| Perilloside C | 146763-94-2 | <chem>CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O</chem> | CTSL | 0.111501865 |
| Perilloside C | 146763-94-2 | <chem>CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O</chem> | PFKFB3 | 0.111501865 |
| Perilloside C | 146763-94-2 | <chem>CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O</chem> | BCL2L1 | 0.111501865 |
| Perilloside C | 146763-94-2 | <chem>CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O</chem> | ADRA2A | 0.111501865 |
| Perilloside C | 146763-94-2 | <chem>CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O</chem> | ADRA2C | 0.111501865 |
| Perilloside C | 146763-94-2 | <chem>CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O</chem> | ADRA2B | 0.111501865 |
| Perilloside C | 146763-94-2 | <chem>CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O</chem> | DRD1 | 0.111501865 |
| Perilloside C | 146763-94-2 | <chem>CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O</chem> | ADRA1D | 0.111501865 |
| Perilloside C | 146763-94-2 | <chem>CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O</chem> | CYP2D6 | 0.111501865 |
| Perilloside C | 146763-94-2 | <chem>CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O</chem> | ADRA1A | 0.111501865 |
| Perilloside C | 146763-94-2 | <chem>CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O</chem> | HTR1B | 0.111501865 |
| Perilloside C | 146763-94-2 | <chem>CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O</chem> | MAP2K1 | 0.111501865 |
| Perilloside C | 146763-94-2 | <chem>CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O</chem> | GPR35 | 0.111501865 |
| Perilloside C | 146763-94-2 | <chem>CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O</chem> | HSPA5 | 0.111501865 |
| Perilloside C | 146763-94-2 | <chem>CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O</chem> | SLC5A4 | 0.111501865 |
| Perilloside C | 146763-94-2 | <chem>CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O</chem> | HSPA8 | 0.111501865 |

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| | 94-2 | | | | |
| Perilloside C | 146763-94-2 | <chem>CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O</chem> | SLC28A2 | 0.111501865 | |
| Perilloside C | 146763-94-2 | <chem>CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O</chem> | AKR1B1 | 0.111501865 | |
| Perilloside C | 146763-94-2 | <chem>CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O</chem> | EGFR | 0.111501865 | |
| Perilloside C | 146763-94-2 | <chem>CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O</chem> | PSENE1 | 0.119403562 | |
| Perilloside C | 146763-94-2 | <chem>CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O</chem> | NCSTN | 0.119403562 | |
| Perilloside C | 146763-94-2 | <chem>CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O</chem> | APH1A | 0.119403562 | |
| Perilloside C | 146763-94-2 | <chem>CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O</chem> | PSENE1 | 0.119403562 | |
| Perilloside C | 146763-94-2 | <chem>CC(=C)C1CCC(CC1)COC2C(C(C(C(O2)CO)O)O)O</chem> | APH1B | 0.119403562 | |
| Sampangine | 116664-93-8 | <chem>C1=CC=C2C(=C1)C3=NC=CC4=C3C(=NC=C4)C2=O</chem> | METAP1 | 0.071715932 | |
| Sampangine | 116664-93-8 | <chem>C1=CC=C2C(=C1)C3=NC=CC4=C3C(=NC=C4)C2=O</chem> | PAOX | 0.053556076 | |
| Sampangine | 116664-93-8 | <chem>C1=CC=C2C(=C1)C3=NC=CC4=C3C(=NC=C4)C2=O</chem> | EPHX1 | 0.053556076 | |
| Sampangine | 116664-93-8 | <chem>C1=CC=C2C(=C1)C3=NC=CC4=C3C(=NC=C4)C2=O</chem> | CHRNA4 | 0.053556076 | |
| Sampangine | 116664-93-8 | <chem>C1=CC=C2C(=C1)C3=NC=CC4=C3C(=NC=C4)C2=O</chem> | CHRNA3 | 0.053556076 | |
| Sampangine | 116664-93-8 | <chem>C1=CC=C2C(=C1)C3=NC=CC4=C3C(=NC=C4)C2=O</chem> | RNPEP | 0.053556076 | |
| Sampangine | 116664-93-8 | <chem>C1=CC=C2C(=C1)C3=NC=CC4=C3C(=NC=C4)C2=O</chem> | CHRNA7 | 0.053556076 | |
| Sampangine | 116664-93-8 | <chem>C1=CC=C2C(=C1)C3=NC=CC4=C3C(=NC=C4)C2=O</chem> | DNPEP | 0.053556076 | |
| Sampangine | 116664-93-8 | <chem>C1=CC=C2C(=C1)C3=NC=CC4=C3C(=NC=C4)C2=O</chem> | SLC5A7 | 0.053556076 | |
| Sampangine | 116664-93-8 | <chem>C1=CC=C2C(=C1)C3=NC=CC4=C3C(=NC=C4)C2=O</chem> | DPP4 | 0.053556076 | |
| Sampangine | 116664-93-8 | <chem>C1=CC=C2C(=C1)C3=NC=CC4=C3C(=NC=C4)C2=O</chem> | DNM1 | 0.053556076 | |
| Sampangine | 116664-93-8 | <chem>C1=CC=C2C(=C1)C3=NC=CC4=C3C(=NC=C4)C2=O</chem> | BCHE | 0.053556076 | |
| Sampangine | 116664-93-8 | <chem>C1=CC=C2C(=C1)C3=NC=CC4=C3C(=NC=C4)C2=O</chem> | CHRNB4 | 0.053556076 | |
| Sampangine | 116664-93-8 | <chem>C1=CC=C2C(=C1)C3=NC=CC4=C3C(=NC=C4)C2=O</chem> | CHRNB2 | 0.053556076 | |

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| Solanolone | 93-8 105933- 57-1 | <chem>CC1=CC2=C(C=C1O)C(=O)C(C3C2C(C(CC3)O)O)O</chem> | — | — |
| Sterol | — | <chem>C1CC2CCC3C4CCC(CC4CCC3C2C1)O</chem> | NR1I3 | 0.75133882 |
| Sterol | — | <chem>C1CC2CCC3C4CCC(CC4CCC3C2C1)O</chem> | AR | 0.743257372 |
| Sterol | — | <chem>C1CC2CCC3C4CCC(CC4CCC3C2C1)O</chem> | ESR1 | 0.607142651 |
| Sterol | — | <chem>C1CC2CCC3C4CCC(CC4CCC3C2C1)O</chem> | CDC25A | 0.552546459 |
| Sterol | — | <chem>C1CC2CCC3C4CCC(CC4CCC3C2C1)O</chem> | CDC25B | 0.552546459 |
| Sterol | — | <chem>C1CC2CCC3C4CCC(CC4CCC3C2C1)O</chem> | UGT2B7 | 0.534621858 |
| Sterol | — | <chem>C1CC2CCC3C4CCC(CC4CCC3C2C1)O</chem> | ESR2 | 0.489298491 |
| Sterol | — | <chem>C1CC2CCC3C4CCC(CC4CCC3C2C1)O</chem> | SHBG | 0.452899738 |
| Sterol | — | <chem>C1CC2CCC3C4CCC(CC4CCC3C2C1)O</chem> | HSD11B1 | 0.207865842 |
| Sterol | — | <chem>C1CC2CCC3C4CCC(CC4CCC3C2C1)O</chem> | NR1H4 | 0.171518552 |
| Sterol | — | <chem>C1CC2CCC3C4CCC(CC4CCC3C2C1)O</chem> | GPBAR1 | 0.171518552 |
| Sterol | — | <chem>C1CC2CCC3C4CCC(CC4CCC3C2C1)O</chem> | SHH | 0.171518552 |
| Sterol | — | <chem>C1CC2CCC3C4CCC(CC4CCC3C2C1)O</chem> | TRPM8 | 0.162404208 |
| Sterol | — | <chem>C1CC2CCC3C4CCC(CC4CCC3C2C1)O</chem> | CA1 | 0.162404208 |
| Sterol | — | <chem>C1CC2CCC3C4CCC(CC4CCC3C2C1)O</chem> | CA2 | 0.080792387 |
| Sterol | — | <chem>C1CC2CCC3C4CCC(CC4CCC3C2C1)O</chem> | CA4 | 0.071715932 |
| Sterol | — | <chem>C1CC2CCC3C4CCC(CC4CCC3C2C1)O</chem> | POLA1 | 0.071715932 |
| Sterol | — | <chem>C1CC2CCC3C4CCC(CC4CCC3C2C1)O</chem> | NPC1L1 | 0.071715932 |
| Sterol | — | <chem>C1CC2CCC3C4CCC(CC4CCC3C2C1)O</chem> | CYP19A1 | 0.062621967 |
| Sterol | — | <chem>C1CC2CCC3C4CCC(CC4CCC3C2C1)O</chem> | NR1H3 | 0.062621967 |
| Sterol | — | <chem>C1CC2CCC3C4CCC(CC4CCC3C2C1)O</chem> | SERPINA6 | 0.053556076 |
| Sterol | — | <chem>C1CC2CCC3C4CCC(CC4CCC3C2C1)O</chem> | G6PD | 0.053556076 |
| Sterol | — | <chem>C1CC2CCC3C4CCC(CC4CCC3C2C1)O</chem> | CNR1 | 0.053556076 |
| Sterol | — | <chem>C1CC2CCC3C4CCC(CC4CCC3C2C1)O</chem> | CNR2 | 0.053556076 |
| Sterol | — | <chem>C1CC2CCC3C4CCC(CC4CCC3C2C1)O</chem> | GABBR1 | 0.053556076 |
| Sterol | — | <chem>C1CC2CCC3C4CCC(CC4CCC3C2C1)O</chem> | HSD17B3 | 0.053556076 |
| Sterol | — | <chem>C1CC2CCC3C4CCC(CC4CCC3C2C1)O</chem> | SLC6A3 | 0.053556076 |
| Sterol | — | <chem>C1CC2CCC3C4CCC(CC4CCC3C2C1)O</chem> | VDR | 0.053556076 |
| Sterol | — | <chem>C1CC2CCC3C4CCC(CC4CCC3C2C1)O</chem> | GABRA2 | 0.053556076 |
| Sterol | — | <chem>C1CC2CCC3C4CCC(CC4CCC3C2C1)O</chem> | AKR1B10 | 0.053556076 |
| Sterol | — | <chem>C1CC2CCC3C4CCC(CC4CCC3C2C1)O</chem> | CYP51A1 | 0.053556076 |
| Sterol | — | <chem>C1CC2CCC3C4CCC(CC4CCC3C2C1)O</chem> | NR3C1 | 0.053556076 |
| Sterol | — | <chem>C1CC2CCC3C4CCC(CC4CCC3C2C1)O</chem> | GABRB2 | 0.053556076 |
| Sterol | — | <chem>C1CC2CCC3C4CCC(CC4CCC3C2C1)O</chem> | GABRG2 | 0.053556076 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | <chem>CCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O</chem> | CHRM2 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | <chem>CCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O</chem> | HTR1A | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | <chem>CCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O</chem> | GRM5 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | <chem>CCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O</chem> | PTGER4 | 0.111501865 |

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| acid | 7-0 | | | |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | PTGER2 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | ALOX5 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | LSS | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | MAOB | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | PDE10A | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | CYP11B1 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | CYP19A1 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | PDE4A | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | CYP11B2 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | PDE4B | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | KCNA5 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | DRD2 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | PDE4D | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | CHRNA7 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | P2RX7 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | GRM2 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | CHRM4 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | AGTR1 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | PPARG | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | CNR2 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | TGM2 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | MET | 0.111501865 |

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| acid | 7-0 | | | |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | EPHX2 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | HCRTR2 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | HCRTR1 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | CYP24A1 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | CYP27A1 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | SLC5A7 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | PABPC1 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | IMPDH2 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | CHRM1 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | OPRD1 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | CPT1A | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | KCNJ1 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | KCNH2 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | ENPP2 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | SMO | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | ADORA1 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | ADORA2 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | A | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | HSP90AA | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | 1 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | CMA1 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | MCL1 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | SLC6A9 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | TACR1 | 0.111501865 |

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| acid | 7-0 | | | |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | <chem>CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O</chem> | TSPO | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | <chem>CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O</chem> | CCNC | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | <chem>CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O</chem> | CDK8 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | <chem>CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O</chem> | RAF1 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | <chem>CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O</chem> | CNR1 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | <chem>CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O</chem> | HTR2A | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | <chem>CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O</chem> | ADAMTS5 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | <chem>CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O</chem> | CXCR2 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | <chem>CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O</chem> | ELANE | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | <chem>CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O</chem> | MAPK14 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | <chem>CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O</chem> | MAPK11 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | <chem>CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O</chem> | BRAF | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | <chem>CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O</chem> | HTR1D | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | <chem>CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O</chem> | SLC6A4 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | <chem>CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O</chem> | CTSK | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | <chem>CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O</chem> | KDR | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | <chem>CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O</chem> | FABP4 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | <chem>CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O</chem> | FABP3 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | <chem>CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O</chem> | CRHR1 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | <chem>CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O</chem> | AR | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | <chem>CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O</chem> | PGR | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | <chem>CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O</chem> | PIM1 | 0.111501865 |

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| acid | 7-0 | | | |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | HTR6 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | NAMPT | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | SSTR3 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | DYRK1A | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | ADRA1A | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | PFKFB3 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | DUSP3 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | PARP1 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | CPT2 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | PIK3CA | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | HDAC6 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | MTNR1A | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | INSR | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | ADRA1D | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | FAAH | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | ADRA1B | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | TRPV1 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | ABCG2 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | LRRK2 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | NDUFA4 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | HTR7 | 0.111501865 |
| 2-Dodecylbenzenesulfonic acid | 27176-8 7-0 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | MMP9 | 0.111501865 |

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| acid | 7-0 | | | | |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | HDAC1 | 0.111501865 | |
| 2-Dodecylbenzenesulfonic acid | 7-0 | | | | |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | CTSV | 0.111501865 | |
| 2-Dodecylbenzenesulfonic acid | 7-0 | | | | |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | CTSL | 0.111501865 | |
| 2-Dodecylbenzenesulfonic acid | 7-0 | | | | |
| 2-Dodecylbenzenesulfonic acid | 27176-8 | CCCCCCCCCCCCC1=CC=CC=C1S(=O)(=O)O | PIM2 | 0.111501865 | |
| 2-Dodecylbenzenesulfonic acid | 7-0 | | | | |
| 3,4',5-Trihydroxy-3',7-dimethoxyflavanone | — | COC1=CC(=C2C(=C1)OC(C(C2=O)O)C3=CC(=C(C=C3)O)OC)O | — | — | |
| 3-O-Caffeoyl-1-O-methyl quinic acid | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O)C(=O)O | AKR1B1 | 0.661195363 | |
| 3-O-Caffeoyl-1-O-methyl quinic acid | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O)C(=O)O | AKR1B10 | 0.628755002 | |
| 3-O-Caffeoyl-1-O-methyl quinic acid | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O)C(=O)O | MMP13 | 0.458331873 | |
| 3-O-Caffeoyl-1-O-methyl quinic acid | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O)C(=O)O | MMP2 | 0.458331873 | |
| 3-O-Caffeoyl-1-O-methyl quinic acid | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O)C(=O)O | MMP12 | 0.174258099 | |
| 3-O-Caffeoyl-1-O-methyl quinic acid | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O)C(=O)O | APP | 0.141778404 | |
| 3-O-Caffeoyl-1-O-methyl quinic acid | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O)C(=O)O | SLC37A4 | 0.109339753 | |
| 3-O-Caffeoyl-1-O-methyl quinic acid | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O)C(=O)O | PYGL | 0.109339753 | |
| 3-O-Caffeoyl-1-O-methyl quinic acid | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O)C(=O)O | CA2 | 0.109339753 | |
| 3-O-Caffeoyl-1-O-methyl quinic acid | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O)C(=O)O | CA1 | 0.109339753 | |
| 3-O-Caffeoyl-1-O-methyl quinic acid | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O)C(=O)O | CASP3 | 0.109339753 | |
| 3-O-Caffeoyl-1-O-methyl quinic acid | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O)C(=O)O | CA12 | 0.109339753 | |
| 3-O-Caffeoyl-1-O-methyl quinic acid | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O)C(=O)O | CA9 | 0.109339753 | |
| 3-O-Caffeoyl-1-O-methyl quinic acid | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O)C(=O)O | NEU4 | 0.109339753 | |
| 3-O-Caffeoyl-1-O-methyl quinic acid | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O)C(=O)O | ECE1 | 0.109339753 | |
| 3-O-Caffeoyl-1-O-methyl quinic acid | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O)C(=O)O | CASP6 | 0.109339753 | |
| 3-O-Caffeoyl-1-O-methyl quinic acid | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O)C(=O)O | CASP7 | 0.109339753 | |

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| quinic acid | |)O)C(=O)O | | |
| 3-O-Caffeoyl-1-O-methyl | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O | CASP8 | 0.109339753 |
| quinic acid | |)O)C(=O)O | | |
| 3-O-Caffeoyl-1-O-methyl | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O | CASP1 | 0.109339753 |
| quinic acid | |)O)C(=O)O | | |
| 3-O-Caffeoyl-1-O-methyl | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O | CASP2 | 0.109339753 |
| quinic acid | |)O)C(=O)O | | |
| 3-O-Caffeoyl-1-O-methyl | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O | PRKCD | 0.109339753 |
| quinic acid | |)O)C(=O)O | | |
| 3-O-Caffeoyl-1-O-methyl | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O | PRKCA | 0.109339753 |
| quinic acid | |)O)C(=O)O | | |
| 3-O-Caffeoyl-1-O-methyl | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O | ABCB1 | 0.109339753 |
| quinic acid | |)O)C(=O)O | | |
| 3-O-Caffeoyl-1-O-methyl | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O | ELANE | 0.109339753 |
| quinic acid | |)O)C(=O)O | | |
| 3-O-Caffeoyl-1-O-methyl | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O | CA5B | 0.109339753 |
| quinic acid | |)O)C(=O)O | | |
| 3-O-Caffeoyl-1-O-methyl | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O | MMP16 | 0.109339753 |
| quinic acid | |)O)C(=O)O | | |
| 3-O-Caffeoyl-1-O-methyl | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O | MMP14 | 0.109339753 |
| quinic acid | |)O)C(=O)O | | |
| 3-O-Caffeoyl-1-O-methyl | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O | MMP8 | 0.109339753 |
| quinic acid | |)O)C(=O)O | | |
| 3-O-Caffeoyl-1-O-methyl | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O | PDE4D | 0.109339753 |
| quinic acid | |)O)C(=O)O | | |
| 3-O-Caffeoyl-1-O-methyl | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O | PDE9A | 0.109339753 |
| quinic acid | |)O)C(=O)O | | |
| 3-O-Caffeoyl-1-O-methyl | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O | PDE1B | 0.109339753 |
| quinic acid | |)O)C(=O)O | | |
| 3-O-Caffeoyl-1-O-methyl | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O | ENGASE | 0.109339753 |
| quinic acid | |)O)C(=O)O | | |
| 3-O-Caffeoyl-1-O-methyl | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O | NEU2 | 0.109339753 |
| quinic acid | |)O)C(=O)O | | |
| 3-O-Caffeoyl-1-O-methyl | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O | MMP1 | 0.109339753 |
| quinic acid | |)O)C(=O)O | | |
| 3-O-Caffeoyl-1-O-methyl | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O | CFTR | 0.109339753 |
| quinic acid | |)O)C(=O)O | | |
| 3-O-Caffeoyl-1-O-methyl | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O | MMP9 | 0.109339753 |
| quinic acid | |)O)C(=O)O | | |
| 3-O-Caffeoyl-1-O-methyl | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O | HPRT1 | 0.109339753 |
| quinic acid | |)O)C(=O)O | | |
| 3-O-Caffeoyl-1-O-methyl | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O | ACE | 0.109339753 |
| quinic acid | |)O)C(=O)O | | |
| 3-O-Caffeoyl-1-O-methyl | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O | SELL | 0.109339753 |

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| quinic acid | |)O)C(=O)O | | |
| 3-O-Caffeoyl-1-O-methyl | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O | SELP | 0.109339753 |
| quinic acid | |)O)C(=O)O | | |
| 3-O-Caffeoyl-1-O-methyl | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O | AMPD3 | 0.109339753 |
| quinic acid | |)O)C(=O)O | | |
| 3-O-Caffeoyl-1-O-methyl | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O | HK2 | 0.109339753 |
| quinic acid | |)O)C(=O)O | | |
| 3-O-Caffeoyl-1-O-methyl | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O | HK1 | 0.109339753 |
| quinic acid | |)O)C(=O)O | | |
| 3-O-Caffeoyl-1-O-methyl | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O | FOLH1 | 0.109339753 |
| quinic acid | |)O)C(=O)O | | |
| 3-O-Caffeoyl-1-O-methyl | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O | EGLN1 | 0.109339753 |
| quinic acid | |)O)C(=O)O | | |
| 3-O-Caffeoyl-1-O-methyl | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O | OGA | 0.109339753 |
| quinic acid | |)O)C(=O)O | | |
| 3-O-Caffeoyl-1-O-methyl | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O | DNMT3B | 0.109339753 |
| quinic acid | |)O)C(=O)O | | |
| 3-O-Caffeoyl-1-O-methyl | — | COC1(CC(C(C(C1)OC(=O)C=CC2=CC(=C(C=C2)O)O)O | KDR | 0.109339753 |
| quinic acid | |)O)C(=O)O | | |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | HMGCR | 0.061946622 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | CYP19A1 | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | ADRA2A | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | ADRA2C | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | ADRA2B | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | IL1B | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | CTSK | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | CTSL | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | CTSB | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | PDE4D | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | ADRA1A | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | MAOA | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | PPARG | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | EPHX1 | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | CA2 | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | TTL | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | CTSH | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | F2 | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | PRSS1 | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | FNTA | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | RPS6KA5 | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | BRD4 | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | GABRA1 | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | GABRA3 | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | GABRA2 | 0.042894212 |

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| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | GABRA5 | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | TRPA1 | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | AR | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | PGR | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | CYP11B1 | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | GABRA2 | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | CYP11B2 | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | CHRNA4 | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | HSD11B1 | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | PTPN1 | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | ATP12A | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | GRM2 | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | PLA2G6 | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | ALDH3A1 | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | CDC25C | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | CDC25A | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | CTRB1 | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | GRM5 | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | CCR1 | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | CCR8 | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | GABRB3 | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | GABRA1 | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | GABRA5 | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | GABRA2 | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | ADORA2 A | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | TGFBR1 | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | TAAR1 | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | FNTB | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | GABRA3 | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | GABRG2 | 0.042894212 |
| Carvyl propionate | 97-45-0 | CCC(=O)OC1CC(CC=C1C)C(=C)C | GABRB2 | 0.042894212 |
| Eremopetasidione | 163135- 94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | CYP19A1 | 0.328168976 |
| Eremopetasidione | 163135- 94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | HSD11B1 | 0.184102383 |
| Eremopetasidione | 163135- 94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | AR | 0.184102383 |
| Eremopetasidione | 163135- 94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | NR3C1 | 0.184102383 |
| Eremopetasidione | 163135- 94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | SIGMAR1 | 0.14806166 |
| Eremopetasidione | 163135- 94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | NOS2 | 0.130044233 |

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| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | PTGES | 0.120996593 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | NPC1L1 | 0.112023618 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | NR3C2 | 0.112023618 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | CYP17A1 | 0.103007428 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | SLC6A3 | 0.094005352 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | PTPN11 | 0.094005352 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | AKR1B10 | 0.094005352 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | PGR | 0.094005352 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | SERPINA6 | 0.094005352 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | SHBG | 0.094005352 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | HSD11B2 | 0.094005352 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | PTPN2 | 0.075973634 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | BACE1 | 0.075973634 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | ADORA3 | 0.075973634 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | PRKCH | 0.075973634 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | CDC25A | 0.066975016 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | MAPK3 | 0.066975016 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | ESR2 | 0.066975016 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | ALOX5 | 0.066975016 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | BCHE | 0.057956876 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | RORA | 0.057956876 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | PTGS2 | 0.057956876 |

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| Eremopetasidione | 163135-94-2 | <chem>CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O</chem> | PLA2G1B | 0.057956876 |
| Eremopetasidione | 163135-94-2 | <chem>CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O</chem> | ACP1 | 0.057956876 |
| Eremopetasidione | 163135-94-2 | <chem>CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O</chem> | PTPN6 | 0.057956876 |
| Eremopetasidione | 163135-94-2 | <chem>CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O</chem> | PTPN1 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | <chem>CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O</chem> | POLB | 0.048952898 |
| Eremopetasidione | 163135-94-2 | <chem>CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O</chem> | NR1I3 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | <chem>CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O</chem> | CD81 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | <chem>CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O</chem> | IDO1 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | <chem>CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O</chem> | PDE4D | 0.048952898 |
| Eremopetasidione | 163135-94-2 | <chem>CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O</chem> | RORC | 0.048952898 |
| Eremopetasidione | 163135-94-2 | <chem>CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O</chem> | FNTA | 0.048952898 |
| Eremopetasidione | 163135-94-2 | <chem>CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O</chem> | CES2 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | <chem>CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O</chem> | ESR1 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | <chem>CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O</chem> | SLC6A4 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | <chem>CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O</chem> | PTPRF | 0.048952898 |
| Eremopetasidione | 163135-94-2 | <chem>CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O</chem> | ATP12A | 0.048952898 |
| Eremopetasidione | 163135-94-2 | <chem>CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O</chem> | NR1H3 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | <chem>CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O</chem> | FABP4 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | <chem>CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O</chem> | FABP3 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | <chem>CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O</chem> | FABP5 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | <chem>CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O</chem> | BRD4 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | <chem>CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O</chem> | BRD2 | 0.048952898 |

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| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | POLA1 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | FAAH | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | PRKCA | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | CDC25B | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | CES1 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | CDC7 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | SCD | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | NR1I2 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | G6PD | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | HMGCR | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | LTB4R | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | JAK1 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | TAAR1 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | HSD17B2 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | CHRNA3 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | ADAM17 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | JAK3 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | JAK2 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | TYK2 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | SRD5A2 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | PREP | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | PPARG | 0.048952898 |

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| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | PPARA | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | TERT | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | LRRK2 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | ADRB2 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | ADRB1 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | ADRB3 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | CA7 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | CA3 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | CA6 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | CA12 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | CA14 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | CA4 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | CA13 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | CA5B | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | CREBBP | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | NOS1 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | NOS3 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | CYP51A1 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | PPARD | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | CHRM4 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | CHRM5 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | CHRM1 | 0.048952898 |

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| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | MPO | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | CHRM3 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | CDK9 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | FABP1 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | FKBP1A | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | HSD17B3 | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | FNTB | 0.048952898 |
| Eremopetasidione | 163135-94-2 | CC1C(CCC2C1(C=C(C(=O)C2)C(=O)C)C)O | CHRN4 | 0.048952898 |
| Glucoliquiritin apioside | 157226-47-6 | C1C(OC2=C(C1=O)C=CC(=C2)OC3C(C(C(C(O3)CO)O)O)C4=CC=C(C=C4)OC5C(C(C(C(O5)CO)O)O)OC6C(C(CO6)(CO)O)O | CYP19A1 | 0.351256342 |
| Glucoliquiritin apioside | 157226-47-6 | C1C(OC2=C(C1=O)C=CC(=C2)OC3C(C(C(C(O3)CO)O)O)C4=CC=C(C=C4)OC5C(C(C(C(O5)CO)O)O)OC6C(C(CO6)(CO)O)O | SRD5A1 | 0.020178064 |
| Glucoliquiritin apioside | 157226-47-6 | C1C(OC2=C(C1=O)C=CC(=C2)OC3C(C(C(C(O3)CO)O)O)C4=CC=C(C=C4)OC5C(C(C(C(O5)CO)O)O)OC6C(C(CO6)(CO)O)O | SLC5A1 | 0.020178064 |
| Glucoliquiritin apioside | 157226-47-6 | C1C(OC2=C(C1=O)C=CC(=C2)OC3C(C(C(C(O3)CO)O)O)C4=CC=C(C=C4)OC5C(C(C(C(O5)CO)O)O)OC6C(C(CO6)(CO)O)O | SLC5A4 | 0.020178064 |
| Glucoliquiritin apioside | 157226-47-6 | C1C(OC2=C(C1=O)C=CC(=C2)OC3C(C(C(C(O3)CO)O)O)C4=CC=C(C=C4)OC5C(C(C(C(O5)CO)O)O)OC6C(C(CO6)(CO)O)O | SLC5A2 | 0.020178064 |
| Glucoliquiritin apioside | 157226-47-6 | C1C(OC2=C(C1=O)C=CC(=C2)OC3C(C(C(C(O3)CO)O)O)C4=CC=C(C=C4)OC5C(C(C(C(O5)CO)O)O)OC6C(C(CO6)(CO)O)O | SLC28A3 | 0.020178064 |
| Glucoliquiritin apioside | 157226-47-6 | C1C(OC2=C(C1=O)C=CC(=C2)OC3C(C(C(C(O3)CO)O)O)C4=CC=C(C=C4)OC5C(C(C(C(O5)CO)O)O)OC6C(C(CO6)(CO)O)O | PTGS1 | 0.020178064 |
| Glucoliquiritin apioside | 157226-47-6 | C1C(OC2=C(C1=O)C=CC(=C2)OC3C(C(C(C(O3)CO)O)O)C4=CC=C(C=C4)OC5C(C(C(C(O5)CO)O)O)OC6C(C(CO6)(CO)O)O | EIF4A1 | 0.020178064 |
| Glucoliquiritin apioside | 157226-47-6 | C1C(OC2=C(C1=O)C=CC(=C2)OC3C(C(C(C(O3)CO)O)O)C4=CC=C(C=C4)OC5C(C(C(C(O5)CO)O)O)OC6C(C(CO6)(CO)O)O | EPHX2 | 0.020178064 |
| Glucoliquiritin apioside | 157226-47-6 | C1C(OC2=C(C1=O)C=CC(=C2)OC3C(C(C(C(O3)CO)O)O)C4=CC=C(C=C4)OC5C(C(C(C(O5)CO)O)O)OC6C(C(CO6)(CO)O)O | TYR | 0.020178064 |

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| | 47-6 | O)O)C4=CC=C(C=C4)OC5C(C(C(C(O5)CO)O)O)OC6C(C(CO6)(CO)O)O | | |
| Glucoliquiritin apioside | 157226-47-6 | C1C(OC2=C(C1=O)C=CC(=C2)OC3C(C(C(C(O3)CO)O)O)O)C4=CC=C(C=C4)OC5C(C(C(C(O5)CO)O)O)OC6C(C(CO6)(CO)O)O | TDP1 | 0.020178064 |
| Glucoliquiritin apioside | 157226-47-6 | C1C(OC2=C(C1=O)C=CC(=C2)OC3C(C(C(C(O3)CO)O)O)O)C4=CC=C(C=C4)OC5C(C(C(C(O5)CO)O)O)OC6C(C(CO6)(CO)O)O | FGF1 | 0.020178064 |
| Glucoliquiritin apioside | 157226-47-6 | C1C(OC2=C(C1=O)C=CC(=C2)OC3C(C(C(C(O3)CO)O)O)O)C4=CC=C(C=C4)OC5C(C(C(C(O5)CO)O)O)OC6C(C(CO6)(CO)O)O | FGF2 | 0.020178064 |
| Glucoliquiritin apioside | 157226-47-6 | C1C(OC2=C(C1=O)C=CC(=C2)OC3C(C(C(C(O3)CO)O)O)O)C4=CC=C(C=C4)OC5C(C(C(C(O5)CO)O)O)OC6C(C(CO6)(CO)O)O | HPSE | 0.020178064 |
| Glucoliquiritin apioside | 157226-47-6 | C1C(OC2=C(C1=O)C=CC(=C2)OC3C(C(C(C(O3)CO)O)O)O)C4=CC=C(C=C4)OC5C(C(C(C(O5)CO)O)O)OC6C(C(CO6)(CO)O)O | MAOB | 0.020178064 |
| Glucoliquiritin apioside | 157226-47-6 | C1C(OC2=C(C1=O)C=CC(=C2)OC3C(C(C(C(O3)CO)O)O)O)C4=CC=C(C=C4)OC5C(C(C(C(O5)CO)O)O)OC6C(C(CO6)(CO)O)O | TAS2R31 | 0.020178064 |
| Glucoliquiritin apioside | 157226-47-6 | C1C(OC2=C(C1=O)C=CC(=C2)OC3C(C(C(C(O3)CO)O)O)O)C4=CC=C(C=C4)OC5C(C(C(C(O5)CO)O)O)OC6C(C(CO6)(CO)O)O | ADORA3 | 0.020178064 |
| Glucoliquiritin apioside | 157226-47-6 | C1C(OC2=C(C1=O)C=CC(=C2)OC3C(C(C(C(O3)CO)O)O)O)C4=CC=C(C=C4)OC5C(C(C(C(O5)CO)O)O)OC6C(C(CO6)(CO)O)O | PTPN2 | 0.020178064 |
| Inulobiose | 470-58-6 | C(C1C(C(C(O1)(CO)OCC2(C(C(C(O2)CO)O)O)O)O)O)O)O | CDK1 | 0.309880067 |
| Inulobiose | 470-58-6 | C(C1C(C(C(O1)(CO)OCC2(C(C(C(O2)CO)O)O)O)O)O)O)O | VEGFA | 0.159936683 |
| Inulobiose | 470-58-6 | C(C1C(C(C(O1)(CO)OCC2(C(C(C(O2)CO)O)O)O)O)O)O)O | FGF1 | 0.159936683 |
| Inulobiose | 470-58-6 | C(C1C(C(C(O1)(CO)OCC2(C(C(C(O2)CO)O)O)O)O)O)O)O | HPSE | 0.159936683 |
| Inulobiose | 470-58-6 | C(C1C(C(C(O1)(CO)OCC2(C(C(C(O2)CO)O)O)O)O)O)O)O | HSP90AA1 | 0.118277085 |
| Inulobiose | 470-58-6 | C(C1C(C(C(O1)(CO)OCC2(C(C(C(O2)CO)O)O)O)O)O)O)O | FGF2 | 0.118277085 |
| Inulobiose | 470-58-6 | C(C1C(C(C(O1)(CO)OCC2(C(C(C(O2)CO)O)O)O)O)O)O)O | LGALS4 | 0.10994577 |
| Inulobiose | 470-58-6 | C(C1C(C(C(O1)(CO)OCC2(C(C(C(O2)CO)O)O)O)O)O)O)O | LGALS3 | 0.10994577 |
| Inulobiose | 470-58-6 | C(C1C(C(C(O1)(CO)OCC2(C(C(C(O2)CO)O)O)O)O)O)O)O | LGALS8 | 0.10994577 |
| Inulobiose | 470-58-6 | C(C1C(C(C(O1)(CO)OCC2(C(C(C(O2)CO)O)O)O)O)O)O)O | PSEN2 | 0.101613855 |
| Inulobiose | 470-58-6 | C(C1C(C(C(O1)(CO)OCC2(C(C(C(O2)CO)O)O)O)O)O)O)O | HTR2B | 0.101613855 |
| Inulobiose | 470-58-6 | C(C1C(C(C(O1)(CO)OCC2(C(C(C(O2)CO)O)O)O)O)O)O)O | ADRA2A | 0.101613855 |
| Inulobiose | 470-58-6 | C(C1C(C(C(O1)(CO)OCC2(C(C(C(O2)CO)O)O)O)O)O)O)O | ADRA2C | 0.101613855 |
| Inulobiose | 470-58-6 | C(C1C(C(C(O1)(CO)OCC2(C(C(C(O2)CO)O)O)O)O)O)O)O | ADRA2B | 0.101613855 |
| Inulobiose | 470-58-6 | C(C1C(C(C(O1)(CO)OCC2(C(C(C(O2)CO)O)O)O)O)O)O)O | DRD1 | 0.101613855 |
| Inulobiose | 470-58-6 | C(C1C(C(C(O1)(CO)OCC2(C(C(C(O2)CO)O)O)O)O)O)O)O | DRD2 | 0.101613855 |
| Inulobiose | 470-58-6 | C(C1C(C(C(O1)(CO)OCC2(C(C(C(O2)CO)O)O)O)O)O)O)O | ADRA1D | 0.101613855 |

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| Inulobiose | 470-58-6 | C(C1C(C(C(O1)(CO)OCC2(C(C(C(O2)CO)O)O)O)O)O)O | HTR2A | 0.101613855 |
| Inulobiose | 470-58-6 | C(C1C(C(C(O1)(CO)OCC2(C(C(C(O2)CO)O)O)O)O)O)O | HTR2C | 0.101613855 |
| Inulobiose | 470-58-6 | C(C1C(C(C(O1)(CO)OCC2(C(C(C(O2)CO)O)O)O)O)O)O | DRD3 | 0.101613855 |
| Inulobiose | 470-58-6 | C(C1C(C(C(O1)(CO)OCC2(C(C(C(O2)CO)O)O)O)O)O)O | CYP2D6 | 0.101613855 |
| Inulobiose | 470-58-6 | C(C1C(C(C(O1)(CO)OCC2(C(C(C(O2)CO)O)O)O)O)O)O | HTR6 | 0.101613855 |
| Inulobiose | 470-58-6 | C(C1C(C(C(O1)(CO)OCC2(C(C(C(O2)CO)O)O)O)O)O)O | ADRA1A | 0.101613855 |
| Inulobiose | 470-58-6 | C(C1C(C(C(O1)(CO)OCC2(C(C(C(O2)CO)O)O)O)O)O)O | HTR1B | 0.101613855 |
| Inulobiose | 470-58-6 | C(C1C(C(C(O1)(CO)OCC2(C(C(C(O2)CO)O)O)O)O)O)O | RORC | 0.101613855 |
| Inulobiose | 470-58-6 | C(C1C(C(C(O1)(CO)OCC2(C(C(C(O2)CO)O)O)O)O)O)O | STAT3 | 0.101613855 |
| Inulobiose | 470-58-6 | C(C1C(C(C(O1)(CO)OCC2(C(C(C(O2)CO)O)O)O)O)O)O | FOLH1 | 0.101613855 |
| Inulobiose | 470-58-6 | C(C1C(C(C(O1)(CO)OCC2(C(C(C(O2)CO)O)O)O)O)O)O | TRPV1 | 0.101613855 |
| Inulobiose | 470-58-6 | C(C1C(C(C(O1)(CO)OCC2(C(C(C(O2)CO)O)O)O)O)O)O | PSENE1 | 0.101613855 |
| Inulobiose | 470-58-6 | C(C1C(C(C(O1)(CO)OCC2(C(C(C(O2)CO)O)O)O)O)O)O | NCSTN | 0.101613855 |
| Inulobiose | 470-58-6 | C(C1C(C(C(O1)(CO)OCC2(C(C(C(O2)CO)O)O)O)O)O)O | APH1A | 0.101613855 |
| Inulobiose | 470-58-6 | C(C1C(C(C(O1)(CO)OCC2(C(C(C(O2)CO)O)O)O)O)O)O | PSENE1 | 0.101613855 |
| Inulobiose | 470-58-6 | C(C1C(C(C(O1)(CO)OCC2(C(C(C(O2)CO)O)O)O)O)O)O | APH1B | 0.101613855 |
| Isoliquiritin | 7014-39-3 | C1=CC(=CC=C1C=CC(=O)C2=C(C=C(C=C2)O)OC3C(C(C(C(O3)CO)O)O)O | AKR1B1 | 1 |
| Isoliquiritin | 7014-39-3 | C1=CC(=CC=C1C=CC(=O)C2=C(C=C(C=C2)O)OC3C(C(C(C(O3)CO)O)O)O | TYR | 0.106165761 |
| Isoliquiritin | 7014-39-3 | C1=CC(=CC=C1C=CC(=O)C2=C(C=C(C=C2)O)OC3C(C(C(C(O3)CO)O)O)O | TNF | 0.106165761 |
| Naringin 6"-rhamnoside | — | CC1C(C(C(C(O1)OCC2C(C(C(C(O2)OC3=CC(=C4C(=O)OC4=C3)C5=CC=C(C=C5)O)O)OC6C(C(C(C(O6)CO)O)O)O)O)O)O | CYP19A1 | 0.09832327 |
| Naringin 6"-rhamnoside | — | CC1C(C(C(C(O1)OCC2C(C(C(C(O2)OC3=CC(=C4C(=O)OC4=C3)C5=CC=C(C=C5)O)O)OC6C(C(C(C(O6)CO)O)O)O)O)O)O | SRD5A1 | 0.049845722 |
| Naringin 6"-rhamnoside | — | CC1C(C(C(C(O1)OCC2C(C(C(C(O2)OC3=CC(=C4C(=O)OC4=C3)C5=CC=C(C=C5)O)O)OC6C(C(C(C(O6)CO)O)O)O)O)O)O | SLC5A4 | 0.049845722 |
| Naringin 6"-rhamnoside | — | CC1C(C(C(C(O1)OCC2C(C(C(C(O2)OC3=CC(=C4C(=O)OC4=C3)C5=CC=C(C=C5)O)O)OC6C(C(C(C(O6)CO)O)O)O)O)O)O | PTGS1 | 0.049845722 |
| Naringin 6"-rhamnoside | — | CC1C(C(C(C(O1)OCC2C(C(C(C(O2)OC3=CC(=C4C(=O)OC4=C3)C5=CC=C(C=C5)O)O)OC6C(C(C(C(O6)CO)O)O)O)O)O)O | EIF4A1 | 0.049845722 |
| Naringin 6"-rhamnoside | — | CC1C(C(C(C(O1)OCC2C(C(C(C(O2)OC3=CC(=C4C(=O)OC4=C3)C5=CC=C(C=C5)O)O)OC6C(C(C(C(O6)CO)O)O)O)O)O)O | SLC28A3 | 0.049845722 |
| Naringin 6"-rhamnoside | — | CC1C(C(C(C(O1)OCC2C(C(C(C(O2)OC3=CC(=C4C(=O)OC4=C3)C5=CC=C(C=C5)O)O)OC6C(C(C(C(O6)CO)O)O)O)O)O)O | ADORA1 | 0.049845722 |
| Naringin 6"-rhamnoside | — | CC1C(C(C(C(O1)OCC2C(C(C(C(O2)OC3=CC(=C4C(=O)OC4=C3)C5=CC=C(C=C5)O)O)OC6C(C(C(C(O6)CO)O)O)O)O)O)O | EPHX2 | 0.049845722 |

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| | | CC(OC4=C3)C5=CC=C(C=C5)O)OC6C(C(C(C(O6)C O)O)O)O)O)O)O | | | |
| Naringin 6"-rhamnoside | — | CC1C(C(C(C(O1)OCC2C(C(C(C(O2)OC3=CC(=C4C(=O) CC(OC4=C3)C5=CC=C(C=C5)O)O)OC6C(C(C(C(O6)C O)O)O)O)O)O)O)O | TYR | 0.049845722 | |
| Naringin 6"-rhamnoside | — | CC1C(C(C(C(O1)OCC2C(C(C(C(O2)OC3=CC(=C4C(=O) CC(OC4=C3)C5=CC=C(C=C5)O)O)OC6C(C(C(C(O6)C O)O)O)O)O)O)O)O | TAS2R31 | 0.049845722 | |
| Naringin 6"-rhamnoside | — | CC1C(C(C(C(O1)OCC2C(C(C(C(O2)OC3=CC(=C4C(=O) CC(OC4=C3)C5=CC=C(C=C5)O)O)OC6C(C(C(C(O6)C O)O)O)O)O)O)O)O | TDP1 | 0.049845722 | |
| Naringin 6"-rhamnoside | — | CC1C(C(C(C(O1)OCC2C(C(C(C(O2)OC3=CC(=C4C(=O) CC(OC4=C3)C5=CC=C(C=C5)O)O)OC6C(C(C(C(O6)C O)O)O)O)O)O)O)O | SLC5A1 | 0.049845722 | |
| Naringin 6"-rhamnoside | — | CC1C(C(C(C(O1)OCC2C(C(C(C(O2)OC3=CC(=C4C(=O) CC(OC4=C3)C5=CC=C(C=C5)O)O)OC6C(C(C(C(O6)C O)O)O)O)O)O)O)O | MAOB | 0.049845722 | |
| Naringin 6"-rhamnoside | — | CC1C(C(C(C(O1)OCC2C(C(C(C(O2)OC3=CC(=C4C(=O) CC(OC4=C3)C5=CC=C(C=C5)O)O)OC6C(C(C(C(O6)C O)O)O)O)O)O)O)O | CYP1B1 | 0.049845722 | |
| Naringin 6"-rhamnoside | — | CC1C(C(C(C(O1)OCC2C(C(C(C(O2)OC3=CC(=C4C(=O) CC(OC4=C3)C5=CC=C(C=C5)O)O)OC6C(C(C(C(O6)C O)O)O)O)O)O)O)O | ABCG2 | 0.049845722 | |
| Naringin 6"-rhamnoside | — | CC1C(C(C(C(O1)OCC2C(C(C(C(O2)OC3=CC(=C4C(=O) CC(OC4=C3)C5=CC=C(C=C5)O)O)OC6C(C(C(C(O6)C O)O)O)O)O)O)O)O | SLC5A2 | 0.049845722 | |
| Naringin 6"-rhamnoside | — | CC1C(C(C(C(O1)OCC2C(C(C(C(O2)OC3=CC(=C4C(=O) CC(OC4=C3)C5=CC=C(C=C5)O)O)OC6C(C(C(C(O6)C O)O)O)O)O)O)O)O | ABCC1 | 0.049845722 | |
| Naringin 6"-rhamnoside | — | CC1C(C(C(C(O1)OCC2C(C(C(C(O2)OC3=CC(=C4C(=O) CC(OC4=C3)C5=CC=C(C=C5)O)O)OC6C(C(C(C(O6)C O)O)O)O)O)O)O)O | HSD17B1 | 0.049845722 | |
| Naringin 6"-rhamnoside | — | CC1C(C(C(C(O1)OCC2C(C(C(C(O2)OC3=CC(=C4C(=O) CC(OC4=C3)C5=CC=C(C=C5)O)O)OC6C(C(C(C(O6)C O)O)O)O)O)O)O)O | SHBG | 0.049845722 | |
| Naringin 6"-rhamnoside | — | CC1C(C(C(C(O1)OCC2C(C(C(C(O2)OC3=CC(=C4C(=O) CC(OC4=C3)C5=CC=C(C=C5)O)O)OC6C(C(C(C(O6)C O)O)O)O)O)O)O)O | CBR1 | 0.049845722 | |
| Naringin 6"-rhamnoside | — | CC1C(C(C(C(O1)OCC2C(C(C(C(O2)OC3=CC(=C4C(=O) CC(OC4=C3)C5=CC=C(C=C5)O)O)OC6C(C(C(C(O6)C O)O)O)O)O)O)O)O | AMY2A | 0.049845722 | |
| Neolicuroside | 120926- 46-7 | C1C(C(C(O1)OC2C(C(C(OC2OC3=CC=C(C=C3)C=CC(= O)C4=C(C=C(C=C4)O)O)CO)O)O)O)(CO)O | AKR1B1 | 0.235611249 | |
| Neolicuroside | 120926- | C1C(C(C(O1)OC2C(C(C(OC2OC3=CC=C(C=C3)C=CC(= O)C4=C(C=C(C=C4)O)O)CO)O)O)O)(CO)O | TYR | 0.095623787 | |

Supplementary Table2

| KEGG_class | Pathway | out | All | Pvalue | Qvalue | Pathway ID | Genes |
|--------------------------------------|---|-----|-----|----------|----------|------------|--|
| Environmental Information Processing | Neuroactive ligand-receptor interaction | 74 | 293 | 2.79E-36 | 7.87E-34 | ko04080 | ENSG00000011677;ENSG00000022355;ENSG000000043591;ENSG00000050628;ENSG00000080644;ENSG00000089041;ENSG00000100300;ENSG00000101180;ENSG00000101204;ENSG00000102239;ENSG00000102468;ENSG00000113327;ENSG00000113580;ENSG00000115353;ENSG00000116329;ENSG00000117971;ENSG00000118432;ENSG00000120907;ENSG00000121764;ENSG00000122194;ENSG00000122420;ENSG00000125384;ENSG00000128271;ENSG00000133019;ENSG00000135312;ENSG00000135914;ENSG00000136160;ENSG00000136928;ENSG00000137252;ENSG00000144891;ENSG00000145864;ENSG00000146399;ENSG00000147246;ENSG00000148680;ENSG00000149295;ENSG00000150594;ENSG00000151577;ENSG00000151617;ENSG00000151834;ENSG00000158748;ENSG00000160716;ENSG00000163485;ENSG00000164082;ENSG00000166206;ENSG00000168412;ENSG00000168539;ENSG00000168959;ENSG00000169252;ENSG00000169403;ENSG00000170214;ENSG00000170425;ENSG00000171522;ENSG00000171873;ENSG00000175344;ENSG00000178394;ENSG00000178623;ENSG00000179546;ENSG00000180210;ENSG00000180720;ENSG00000181072;ENSG00000184160;ENSG00000184845;ENSG00000184984;ENSG00000186297;ENSG00000188778;ENSG00000188822;ENSG00000196639;ENSG00000196689;ENSG00000204681;ENSG00000204983;ENSG00000213903;ENSG00000274286;ENSG00000278195;ENSG00000282608 |
| | Calcium signaling pathway | 38 | 189 | 3.05E-15 | 4.30E-13 | ko04020 | ENSG0000004468;ENSG0000007171;ENSG000000043591;ENSG00000050628;ENSG00000089041;ENSG00000089250;ENSG00000102468;ENSG00000113721;ENSG00000115353;ENSG00000120907;ENSG00000122420;ENSG00000123360;ENSG00000128271;ENSG00000133019;ENSG00000135914;ENSG00000136160;ENSG00000144891;ENSG00000146648;ENSG00000148680;ENSG00000149295;ENSG00000150594;ENSG00000151577;ENSG00000151617;ENSG00000151834;ENSG00000158748;ENSG00000160716;ENSG00000163485;ENSG00000164082;ENSG00000166206;ENSG00000168412;ENSG00000168539;ENSG00000168959;ENSG00000169252;ENSG00000169403;ENSG00000170214;ENSG00000170425;ENSG00000171522;ENSG00000171873;ENSG00000175344;ENSG00000178394;ENSG00000178623;ENSG00000179546;ENSG00000180210;ENSG00000180720;ENSG00000181072;ENSG00000184160;ENSG00000184845;ENSG00000184984;ENSG00000186297;ENSG00000188778;ENSG00000188822;ENSG00000196639;ENSG00000196689;ENSG00000204681;ENSG00000204983;ENSG00000213903;ENSG00000274286;ENSG00000278195;ENSG00000282608 |

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|--------------------------------------|---|----|-----|----------|----------|--|--|
| | | | | | | 0000147246;ENSG00000148680;ENSG00000151617;ENSG00000154229;ENSG00000154678;ENSG00000158748;ENSG00000164867;ENSG00000168539;ENSG00000168959;ENSG00000169252;ENSG00000169403;ENSG00000170214;ENSG00000170425;ENSG00000171873;ENSG00000175344;ENSG00000181072;ENSG00000184845;ENSG00000184984;ENSG00000188778;ENSG00000196639 | |
| Metabolism | Nitrogen metabolism | 12 | 17 | 3.12E-13 | 2.93E-11 | ko00910 | ENSG00000074410;ENSG00000104267;ENSG00000107159;ENSG00000118298;ENSG00000131686;ENSG00000133742;ENSG00000164879;ENSG00000167434;ENSG00000168748;ENSG00000169239;ENSG00000174990;ENSG00000185015 |
| Environmental Information Processing | cAMP signaling pathway | 36 | 208 | 1.99E-12 | 1.40E-10 | ko04024 | ENSG00000001626;ENSG00000005339;ENSG000000043591;ENSG00000050628;ENSG00000051382;ENSG00000065989;ENSG00000079435;ENSG00000102882;ENSG00000109339;ENSG00000111087;ENSG00000113448;ENSG00000121879;ENSG00000125384;ENSG00000128271;ENSG00000132155;ENSG00000135312;ENSG00000136928;ENSG00000142208;ENSG00000149295;ENSG00000151617;ENSG00000157764;ENSG00000158748;ENSG00000163485;ENSG00000168539;ENSG00000169032;ENSG00000169252;ENSG00000171608;ENSG00000172572;ENSG00000178394;ENSG00000179546;ENSG00000181072;ENSG00000184588;ENSG00000184845;ENSG00000186298;ENSG00000186951;ENSG00000204681 |
| Human Diseases | EGFR tyrosine kinase inhibitor resistance | 22 | 82 | 6.04E-12 | 3.40E-10 | ko01521 | ENSG00000051382;ENSG00000082701;ENSG00000096968;ENSG00000102882;ENSG00000105976;ENSG00000108443;ENSG00000112715;ENSG00000113721;ENSG00000121879;ENSG00000128052;ENSG00000132155;ENSG00000138685;ENSG00000142208;ENSG00000146648;ENSG00000154229;ENSG00000157764;ENSG00000162434;ENSG00000168610;ENSG00000169032;ENSG00000171552;ENSG00000171608;ENSG00000174775 |
| Human Diseases | Pathway in cancer | 62 | 550 | 9.60E-12 | 4.51E-10 | ko05200 | ENSG00000005339;ENSG00000007171;ENSG00000050628;ENSG00000051180;ENSG00000051382;ENSG00000064012;ENSG0000007375 |

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|----------------|---|----|-----|----------|----------|---|
| | | | | | | 6;ENSG00000080824;ENSG00000082701;ENSG00000087245;ENSG00000091831;ENSG00000096968;ENSG00000100784;ENSG00000100985;ENSG00000102096;ENSG00000102882;ENSG00000105639;ENSG00000105976;ENSG00000106799;ENSG00000108443;ENSG00000109339;ENSG00000109471;ENSG00000111087;ENSG00000112033;ENSG00000112715;ENSG00000113578;ENSG00000113721;ENSG00000116478;ENSG00000121879;ENSG00000123374;ENSG00000125384;ENSG00000128602;ENSG00000132155;ENSG00000132170;ENSG00000133101;ENSG00000135446;ENSG00000135766;ENSG00000136160;ENSG00000137193;ENSG00000138685;ENSG00000140009;ENSG00000142208;ENSG00000144891;ENSG00000146648;ENSG00000151617;ENSG00000154229;ENSG00000154342;ENSG00000157404;ENSG00000157764;ENSG00000162434;ENSG00000164305;ENSG00000164362;ENSG00000164690;ENSG00000165806;ENSG00000168610;ENSG00000169032;ENSG00000169083;ENSG00000171522;ENSG00000171552;ENSG00000171608;ENSG00000174775;ENSG00000196611;ENSG00000051382;ENSG00000067606;ENSG00000087245;ENSG00000096968;ENSG00000102882;ENSG00000106799;ENSG00000109339;ENSG00000112062;ENSG00000112715;ENSG00000117525;ENSG00000121879;ENSG00000125538;ENSG00000135446;ENSG00000137193;ENSG00000142208;ENSG00000144891;ENSG00000154229;ENSG00000163932;ENSG00000164305;ENSG00000164867;ENSG00000168610;ENSG00000171608;ENSG00000174775;ENSG00000185386;ENSG00000232810;ENSG00000011677;ENSG00000022355;ENSG00000065989;ENSG00000112541;ENSG00000113327;ENSG00000113448;ENSG00000123360;ENSG00000128655;ENSG00000136928;ENSG00000145864;ENSG00000151834;ENSG00000154229;ENSG00000154678;ENSG00000163485;ENSG00000166206;ENSG00000172572;ENSG00000173020;ENSG00000184588;ENSG0 |
| Human Diseases | AGE-R AGE signaling pathway in diabetic complications | 25 | 114 | 2.74E-11 | 1.10E-09 | ko04933 |
| Human Diseases | Morphine addiction | 23 | 101 | 7.71E-11 | 2.72E-09 | ko05032 |

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|--------------------------------------|-------------------------|----|-----|----------|----------|---------|--|
| Environmental Information Processing | HIF-1 signaling pathway | 23 | 102 | 9.55E-11 | 2.99E-09 | ko04066 | 0000184845;ENSG00000186297;ENSG00000186642;ENSG00000204681;ENSG00000284741;ENSG00000005339;ENSG00000007171;ENSG00000051382;ENSG00000079277;ENSG00000102755;ENSG00000102882;ENSG00000108443;ENSG00000111640;ENSG00000112715;ENSG00000121879;ENSG00000134333;ENSG00000135766;ENSG00000142208;ENSG00000146648;ENSG00000154229;ENSG00000156515;ENSG00000159399;ENSG00000164867;ENSG00000168610;ENSG00000169032;ENSG00000170525;ENSG00000171105;ENSG00000171608;ENSG00000012779;ENSG00000069535;ENSG00000073756;ENSG00000095303;ENSG00000100197;ENSG00000102468;ENSG00000102882;ENSG00000108576;ENSG00000132155;ENSG00000135312;ENSG00000135914;ENSG00000142192;ENSG00000145864;ENSG00000147246;ENSG00000148680;ENSG00000154229;ENSG00000157764;ENSG00000158748;ENSG00000164305;ENSG00000166206;ENSG00000169032;ENSG00000174775;ENSG00000178394;ENSG00000179546;ENSG00000189221;ENSG00000005339;ENSG00000019186;ENSG00000073756;ENSG00000085563;ENSG00000088305;ENSG00000100784;ENSG00000100985;ENSG00000101224;ENSG00000103222;ENSG00000105976;ENSG00000112715;ENSG00000113721;ENSG00000116478;ENSG00000121879;ENSG00000132155;ENSG00000137193;ENSG00000138061;ENSG00000143384;ENSG00000146648;ENSG00000149311;ENSG00000154229;ENSG00000154342;ENSG00000156103;ENSG00000158402;ENSG00000164045;ENSG00000164305;ENSG00000168610;ENSG00000169032;ENSG00000174775;ENSG00000005381;ENSG00000051382;ENSG00000102096;ENSG00000102882;ENSG00000108443;ENSG00000112033;ENSG00000121879;ENSG00000132155;ENSG00000133101;ENSG00000137193;ENSG00000140379;ENSG00000142208;ENSG00000157404;ENSG00000157764;ENSG00000168610;ENSG00000169032;ENSG00000171608;ENSG00000174775 |
| Organismal Systems | Serotonergic synapse | 25 | 125 | 2.26E-10 | 6.38E-09 | ko04726 | |
| Human Diseases | MicroRNAs in cancer | 29 | 168 | 3.30E-10 | 8.46E-09 | ko05206 | |
| Human Diseases | Acute myeloid leukemia | 18 | 68 | 6.71E-10 | 1.58E-08 | ko05221 | |

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|--------------------|---|----|-----|----------|----------|---------|---|
| Human Diseases | Insulin resistance | 24 | 122 | 7.49E-10 | 1.62E-08 | ko04931 | ENSG00000025434;ENSG00000051382;ENSG00000067606;ENSG00000068976;ENSG0000071242;ENSG00000082701;ENSG00000100504;ENSG00000108443;ENSG00000109339;ENSG00000110090;ENSG00000121879;ENSG0000142208;ENSG00000142949;ENSG00000163932;ENSG00000164867;ENSG00000168610;ENSG00000171105;ENSG00000171608;ENSG00000179295;ENSG00000186298;ENSG00000186951;ENSG00000196396;ENSG00000198408;ENSG00000232810 |
| Cellular Processes | Apoptosis | 27 | 153 | 8.26E-10 | 1.66E-08 | ko04210 | ENSG00000051382;ENSG00000064012;ENSG00000102882;ENSG00000103811;ENSG00000106144;ENSG00000109339;ENSG00000121879;ENSG00000132155;ENSG00000135047;ENSG00000136943;ENSG00000138794;ENSG0000140379;ENSG00000142208;ENSG00000143384;ENSG00000143387;ENSG00000143799;ENSG00000149311;ENSG00000163131;ENSG00000164305;ENSG00000164733;ENSG00000165806;ENSG00000169032;ENSG00000171552;ENSG00000171608;ENSG00000174775;ENSG00000178607;ENSG00000232810 |
| Human Diseases | Proteoglycans in cancer | 32 | 210 | 1.06E-09 | 1.95E-08 | ko05205 | ENSG00000051382;ENSG00000087245;ENSG00000091831;ENSG00000100985;ENSG00000102882;ENSG00000105976;ENSG00000108443;ENSG00000111679;ENSG00000112062;ENSG00000112715;ENSG00000121879;ENSG00000128052;ENSG00000128602;ENSG00000132155;ENSG00000135047;ENSG00000138685;ENSG00000142208;ENSG00000146648;ENSG00000154229;ENSG00000154342;ENSG00000157764;ENSG00000164305;ENSG00000164690;ENSG00000168610;ENSG00000169032;ENSG00000171608;ENSG00000173083;ENSG00000174775;ENSG00000179295;ENSG00000185386;ENSG00000186298;ENSG00000232810 |
| Organismal Systems | Progesterone-mediated oocyte maturation | 22 | 105 | 1.11E-09 | 1.95E-08 | ko04914 | ENSG00000051382;ENSG00000071242;ENSG00000080824;ENSG00000082175;ENSG00000101224;ENSG00000102882;ENSG00000109339;ENSG00000112062;ENSG00000121879;ENSG00000123374;ENSG00000132155;ENSG00000133101;ENSG00000134057;ENSG00000142208;ENSG00000145386;ENSG00000157764;E |

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|--------------------------------------|--|----|-----|----------|----------|---------|--|
| Organismal Systems | Inflammatory mediator regulation of TRP channels | 21 | 101 | 3.09E-09 | 5.13E-08 | ko04750 | NSG00000158402;ENSG00000164045;ENSG00000169032;ENSG00000170312;ENSG00000171608;ENSG00000185386 ENSG00000027075;ENSG00000051382;ENSG00000102468;ENSG00000104321;ENSG00000109339;ENSG00000112062;ENSG00000121879;ENSG00000125384;ENSG00000125538;ENSG00000135914;ENSG00000144481;ENSG00000147246;ENSG00000154229;ENSG00000163932;ENSG00000171522;ENSG00000171608;ENSG00000184381;ENSG00000185386;ENSG00000186298;ENSG00000196639;ENSG00000196689 ENSG00000051180;ENSG00000051382;ENSG00000102882;ENSG00000106799;ENSG00000108443;ENSG00000109339;ENSG00000112715;ENSG00000121879;ENSG00000132155;ENSG00000135446;ENSG00000142208;ENSG00000146648;ENSG00000157764;ENSG00000162434;ENSG00000168610;ENSG00000169032;ENSG00000171552;ENSG00000171608 ENSG00000051382;ENSG00000073756;ENSG00000102882;ENSG00000112062;ENSG00000112715;ENSG00000121879;ENSG00000128052;ENSG00000132155;ENSG00000142208;ENSG00000154229;ENSG00000162889;ENSG00000164867;ENSG00000169032;ENSG00000171608;ENSG00000174775;ENSG00000185386 ENSG00000007171;ENSG00000051382;ENSG00000067606;ENSG00000087245;ENSG00000089250;ENSG00000100985;ENSG00000102882;ENSG00000106799;ENSG00000109339;ENSG00000112062;ENSG00000112715;ENSG00000121879;ENSG00000132155;ENSG00000136160;ENSG00000137745;ENSG00000142208;ENSG00000146648;ENSG00000154229;ENSG00000164867;ENSG00000169032;ENSG00000171608;ENSG00000174775;ENSG00000185386;ENSG00000196611 |
| Human Diseases | Pancreatic cancer | 18 | 77 | 5.91E-09 | 9.27E-08 | ko05212 | ENSG00000051180;ENSG00000051382;ENSG00000102882;ENSG00000106799;ENSG00000108443;ENSG00000109339;ENSG00000112715;ENSG00000121879;ENSG00000132155;ENSG00000135446;ENSG00000142208;ENSG00000146648;ENSG00000157764;ENSG00000162434;ENSG00000168610;ENSG00000169032;ENSG00000171552;ENSG00000171608 ENSG00000051382;ENSG00000073756;ENSG00000102882;ENSG00000112062;ENSG00000112715;ENSG00000121879;ENSG00000128052;ENSG00000132155;ENSG00000142208;ENSG00000154229;ENSG00000162889;ENSG00000164867;ENSG00000169032;ENSG00000171608;ENSG00000174775;ENSG00000185386 ENSG00000007171;ENSG00000051382;ENSG00000067606;ENSG00000087245;ENSG00000089250;ENSG00000100985;ENSG00000102882;ENSG00000106799;ENSG00000109339;ENSG00000112062;ENSG00000112715;ENSG00000121879;ENSG00000132155;ENSG00000136160;ENSG00000137745;ENSG00000142208;ENSG00000146648;ENSG00000154229;ENSG00000164867;ENSG00000169032;ENSG00000171608;ENSG00000174775;ENSG00000185386;ENSG00000196611 |
| Environmental Information Processing | VEGF signaling pathway | 16 | 61 | 7.02E-09 | 1.04E-07 | ko04370 | ENSG00000051180;ENSG00000051382;ENSG00000102882;ENSG00000106799;ENSG00000108443;ENSG00000109339;ENSG00000112715;ENSG00000121879;ENSG00000132155;ENSG00000135446;ENSG00000142208;ENSG00000146648;ENSG00000157764;ENSG00000162434;ENSG00000168610;ENSG00000169032;ENSG00000171552;ENSG00000171608 ENSG00000051382;ENSG00000073756;ENSG00000102882;ENSG00000112062;ENSG00000112715;ENSG00000121879;ENSG00000128052;ENSG00000132155;ENSG00000142208;ENSG00000154229;ENSG00000162889;ENSG00000164867;ENSG00000169032;ENSG00000171608;ENSG00000174775;ENSG00000185386 ENSG00000007171;ENSG00000051382;ENSG00000067606;ENSG00000087245;ENSG00000089250;ENSG00000100985;ENSG00000102882;ENSG00000106799;ENSG00000109339;ENSG00000112062;ENSG00000112715;ENSG00000121879;ENSG00000132155;ENSG00000136160;ENSG00000137745;ENSG00000142208;ENSG00000146648;ENSG00000154229;ENSG00000164867;ENSG00000169032;ENSG00000171608;ENSG00000174775;ENSG00000185386;ENSG00000196611 |
| Organismal Systems | Relaxin signaling pathway | 24 | 138 | 9.96E-09 | 1.40E-07 | ko04926 | ENSG00000051180;ENSG00000051382;ENSG00000102882;ENSG00000106799;ENSG00000108443;ENSG00000109339;ENSG00000112715;ENSG00000121879;ENSG00000132155;ENSG00000135446;ENSG00000142208;ENSG00000146648;ENSG00000157764;ENSG00000162434;ENSG00000168610;ENSG00000169032;ENSG00000171552;ENSG00000171608 ENSG00000051382;ENSG00000073756;ENSG00000102882;ENSG00000112062;ENSG00000112715;ENSG00000121879;ENSG00000128052;ENSG00000132155;ENSG00000142208;ENSG00000154229;ENSG00000162889;ENSG00000164867;ENSG00000169032;ENSG00000171608;ENSG00000174775;ENSG00000185386 ENSG00000007171;ENSG00000051382;ENSG00000067606;ENSG00000087245;ENSG00000089250;ENSG00000100985;ENSG00000102882;ENSG00000106799;ENSG00000109339;ENSG00000112062;ENSG00000112715;ENSG00000121879;ENSG00000132155;ENSG00000136160;ENSG00000137745;ENSG00000142208;ENSG00000146648;ENSG00000154229;ENSG00000164867;ENSG00000169032;ENSG00000171608;ENSG00000174775;ENSG00000185386;ENSG00000196611 |
| Organismal Systems | Prolactin signaling pathway | 17 | 74 | 2.09E-08 | 2.80E-07 | ko04917 | ENSG00000051180;ENSG00000051382;ENSG00000102882;ENSG00000106799;ENSG00000108443;ENSG00000109339;ENSG00000112715;ENSG00000121879;ENSG00000132155;ENSG00000135446;ENSG00000142208;ENSG00000146648;ENSG00000157764;ENSG00000162434;ENSG00000168610;ENSG00000169032;ENSG00000171552;ENSG00000171608 ENSG00000051382;ENSG00000073756;ENSG00000102882;ENSG00000112062;ENSG00000112715;ENSG00000121879;ENSG00000128052;ENSG00000132155;ENSG00000142208;ENSG00000154229;ENSG00000162889;ENSG00000164867;ENSG00000169032;ENSG00000171608;ENSG00000174775;ENSG00000185386 ENSG00000007171;ENSG00000051382;ENSG00000067606;ENSG00000087245;ENSG00000089250;ENSG00000100985;ENSG00000102882;ENSG00000106799;ENSG00000109339;ENSG00000112062;ENSG00000112715;ENSG00000121879;ENSG00000132155;ENSG00000136160;ENSG00000137745;ENSG00000142208;ENSG00000146648;ENSG00000154229;ENSG00000164867;ENSG00000169032;ENSG00000171608;ENSG00000174775;ENSG00000185386;ENSG00000196611 |

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|--------------------------------------|--------------------------------------|----|-----|----------|----------|---------|---|
| | | | | | | | 00148795;ENSG00000168610;ENSG00000169032;ENSG00000171608;ENSG00000174775;ENSG00000185386 |
| | | | | | | | ENSG00000025708;ENSG00000087245;ENSG00000100784;ENSG00000100985;ENSG00000102882;ENSG00000112715;ENSG00000132155;ENSG00000135446;ENSG00000146648;ENSG00000157764;ENSG00000169032;ENSG00000174775;ENSG00000196611 |
| Human Diseases | Bladder cancer | 13 | 43 | 2.87E-08 | 3.68E-07 | ko05219 | ENSG00000051382;ENSG00000102882;ENSG00000105976;ENSG00000113721;ENSG00000121879;ENSG00000132155;ENSG00000134333;ENSG00000142208;ENSG00000146648;ENSG00000156515;ENSG00000157404;ENSG00000159399;ENSG00000160211;ENSG00000169032;ENSG00000171608;ENSG00000174775 |
| Human Diseases | Central carbon metabolism in cancer | 16 | 69 | 4.75E-08 | 5.73E-07 | ko05230 | ENSG00000043591;ENSG00000102882;ENSG00000116329;ENSG00000120907;ENSG00000132155;ENSG00000136160;ENSG00000138735;ENSG00000142208;ENSG00000144891;ENSG00000150594;ENSG00000151617;ENSG00000156113;ENSG00000163485;ENSG00000164867;ENSG00000169032;ENSG00000169252;ENSG00000170214;ENSG00000171105;ENSG00000171873;ENSG00000172572;ENSG00000184160;ENSG00000186298;ENSG00000186642;ENSG00000188778;ENSG00000274286;ENSG00000282608 |
| Environmental Information Processing | cGMP - PKG signaling pathway | 26 | 172 | 4.88E-08 | 5.73E-07 | ko04022 | ENSG0000005339;ENSG00000051382;ENSG00000080824;ENSG00000082701;ENSG00000100985;ENSG00000102882;ENSG00000113721;ENSG00000121879;ENSG00000123374;ENSG00000132155;ENSG00000142208;ENSG00000146648;ENSG00000149968;ENSG00000157764;ENSG00000169032;ENSG00000169083;ENSG00000171608;ENSG00000174775;ENSG00000277893 |
| Human Diseases | Prostate cancer | 19 | 101 | 9.73E-08 | 1.10E-06 | ko05215 | ENSG00000043591;ENSG00000050628;ENSG00000051382;ENSG00000073756;ENSG00000079435;ENSG00000095303;ENSG00000121879;ENSG00000142208;ENSG00000163485;ENSG00000169252;ENSG00000170323;ENSG00000171105;ENSG00000171608;ENSG00000188778 |
| Organismal Systems | Regulation of lipolysis in adipocyte | 14 | 56 | 1.21E-07 | 1.31E-06 | ko04923 | 778 |

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| Human Diseases | Endocrine resistance | 20 | 116 | 2.01E-07 | 2.03E-06 | ko01522 | ENSG00000051382;ENSG00000087245;ENSG00000091831;ENSG00000100197;ENSG00000100985;ENSG00000102882;ENSG00000108443;ENSG00000109339;ENSG00000112062;ENSG00000121879;ENSG00000132155;ENSG00000135446;ENSG00000140009;ENSG00000142208;ENSG00000146648;ENSG00000157764;ENSG00000169032;ENSG00000171608;ENSG00000174775;ENSG00000185386 |
| Organismal Systems | C-type lectin receptor signaling pathway | 20 | 116 | 2.01E-07 | 2.03E-06 | ko04625 | ENSG00000051382;ENSG00000064012;ENSG00000073756;ENSG00000102882;ENSG00000109339;ENSG00000109471;ENSG00000112062;ENSG00000121879;ENSG00000125538;ENSG00000132155;ENSG00000137752;ENSG00000142208;ENSG00000162889;ENSG00000163932;ENSG00000171608;ENSG00000172175;ENSG00000174775;ENSG00000179295;ENSG00000185386;ENSG00000232810 |
| Environmental Information Processing | FoxO signaling pathway | 22 | 139 | 2.36E-07 | 2.30E-06 | ko04068 | ENSG00000053339;ENSG00000051382;ENSG00000102882;ENSG00000106799;ENSG00000109339;ENSG00000112062;ENSG00000121879;ENSG00000123374;ENSG00000132155;ENSG00000134057;ENSG00000142208;ENSG00000146648;ENSG00000149311;ENSG00000157764;ENSG00000168610;ENSG00000169032;ENSG00000171105;ENSG00000171608;ENSG00000174775;ENSG00000185386;ENSG00000213923;ENSG00000283900 |
| Organismal Systems | Insulin signaling pathway | 23 | 153 | 3.27E-07 | 3.07E-06 | ko04910 | ENSG00000051382;ENSG00000067606;ENSG00000068976;ENSG00000079277;ENSG00000079435;ENSG00000082701;ENSG00000100504;ENSG00000102882;ENSG00000108443;ENSG00000109339;ENSG00000121879;ENSG00000132155;ENSG00000142208;ENSG00000142949;ENSG00000156515;ENSG00000157764;ENSG00000159399;ENSG00000169032;ENSG00000171105;ENSG00000171608;ENSG00000174775;ENSG00000186298;ENSG00000196396 |
| Environmental Information Processing | Sphingolipid signaling pathway | 21 | 132 | 4.08E-07 | 3.61E-06 | ko04071 | ENSG00000051382;ENSG00000066027;ENSG00000067606;ENSG00000102882;ENSG00000103222;ENSG00000109339;ENSG00000112062;ENSG00000113575;ENSG00000116329;ENSG00000121879;ENSG00000132155;ENSG00000142208;ENSG00000154229;ENSG00000163 |

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| Organismal Systems | Cholinergic synapse | 20 | 121 | 4.10E-07 | 3.61E-06 | ko04725 | 485;ENSG00000164867;ENSG00000169032;ENSG00000171608;ENSG00000174775;ENSG00000185386;ENSG00000232810;ENSG00000282608 ENSG00000051382;ENSG00000080644;ENSG00000096968;ENSG00000101204;ENSG00000102882;ENSG00000115665;ENSG00000117971;ENSG00000121879;ENSG00000133019;ENSG00000142208;ENSG00000154229;ENSG00000160716;ENSG00000168539;ENSG00000169032;ENSG00000171608;ENSG00000174775;ENSG00000175344;ENSG00000180720;ENSG00000181072;ENSG00000184984 ENSG00000086696;ENSG00000101846;ENSG00000108786;ENSG00000117594;ENSG00000130948;ENSG00000137869;ENSG00000138061;ENSG00000145545;ENSG00000148795;ENSG00000160882;ENSG00000171234;ENSG00000176387;ENSG00000179142;ENSG00000196139;ENSG00000277893 ENSG00000051382;ENSG00000071242;ENSG00000080815;ENSG00000082701;ENSG00000100784;ENSG00000102882;ENSG00000109339;ENSG00000112062;ENSG00000121879;ENSG00000132155;ENSG00000142208;ENSG00000143801;ENSG00000157764;ENSG00000162889;ENSG00000163932;ENSG00000169032;ENSG00000171608;ENSG00000174775;ENSG00000179295;ENSG00000185386 ENSG00000051382;ENSG00000067606;ENSG00000102755;ENSG00000102882;ENSG00000105976;ENSG00000112062;ENSG00000112715;ENSG00000113578;ENSG00000113721;ENSG00000118432;ENSG00000121879;ENSG00000128052;ENSG00000128271;ENSG00000132155;ENSG00000138685;ENSG00000142208;ENSG00000146648;ENSG00000149295;ENSG00000154229;ENSG00000157404;ENSG00000157764;ENSG00000169032;ENSG00000170425;ENSG00000171105;ENSG00000171608;ENSG00000174775;ENSG00000185386 ENSG00000051382;ENSG00000102882;ENSG00000105976;ENSG00000113578;ENSG00000113721;ENSG00000121879;ENSG0000013215 |
| Metabolism | Steroid hormone biosynthesis | 15 | 72 | 5.61E-07 | 4.79E-06 | ko00140 | |
| Organismal Systems | Neurotrophin signaling pathway | 20 | 124 | 6.16E-07 | 5.11E-06 | ko04722 | |
| Environmental Information Processing | Rap1 signaling pathway | 27 | 211 | 8.66E-07 | 6.97E-06 | ko04015 | |
| Human Diseases | Melanoma | 15 | 76 | 1.17E-06 | 9.15E-06 | ko05218 | |

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| Organismal Systems | Renin secretion | 14 | 67 | 1.29E-06 | 9.84E-06 | ko04924 | 5;ENSG00000135446;ENSG00000138685;ENSG00000142208;ENSG00000146648;ENSG00000157764;ENSG00000169032;ENSG00000171608;ENSG00000174775 ENSG00000043591;ENSG00000123360;ENSG00000125384;ENSG00000144891;ENSG00000151617;ENSG00000154678;ENSG00000156113;ENSG00000159640;ENSG00000163485;ENSG00000164733;ENSG00000169252;ENSG00000171522;ENSG00000172572;ENSG00000188778 ENSG00000025434;ENSG00000051382;ENSG00000082701;ENSG00000102882;ENSG00000105397;ENSG00000109339;ENSG00000110651;ENSG00000112062;ENSG00000113575;ENSG00000121879;ENSG00000132155;ENSG00000142208;ENSG00000146648;ENSG00000157764;ENSG00000162434;ENSG00000168610;ENSG00000171608;ENSG00000174775;ENSG00000185386;ENSG00000186951;ENSG00000232810 ENSG00000005339;ENSG00000051382;ENSG00000102882;ENSG00000105976;ENSG00000112715;ENSG00000121879;ENSG00000132155;ENSG00000135766;ENSG00000142208;ENSG00000157764;ENSG00000169032;ENSG00000171608;ENSG00000174775;ENSG00000179295 ENSG00000005339;ENSG00000051382;ENSG00000064012;ENSG00000100985;ENSG00000102882;ENSG00000106799;ENSG00000109339;ENSG00000121879;ENSG00000123374;ENSG00000132155;ENSG00000133101;ENSG00000135446;ENSG00000142208;ENSG00000145386;ENSG00000154229;ENSG00000162434;ENSG00000164305;ENSG00000168610;ENSG00000169032;ENSG00000171608;ENSG00000174775;ENSG00000232810 ENSG00000051382;ENSG00000102882;ENSG00000105639;ENSG00000121879;ENSG00000132155;ENSG00000135446;ENSG00000142208;ENSG00000146648;ENSG00000154229;ENSG00000157764;ENSG00000168610;ENSG00000169032;ENSG00000171608;ENSG00000174 |
| Human Diseases | Hepatitis C | 21 | 144 | 1.78E-06 | 1.32E-05 | ko05160 | |
| Human Diseases | Renal cell carcinoma | 14 | 71 | 2.69E-06 | 1.95E-05 | ko05211 | |
| Human Diseases | Hepatitis B | 22 | 160 | 2.76E-06 | 1.95E-05 | ko05161 | |
| Human Diseases | Non-small cell lung cancer | 14 | 74 | 4.51E-06 | 3.10E-05 | ko05223 | |

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| Environmental Information Processing | AMPK signaling pathway | 19 | 129 | 4.78E-06 | 3.21E-05 | ko04152 | ENSG0000001626;ENSG00000051382;ENSG0000066027;ENSG00000079435;ENSG0000099194;ENSG00000108443;ENSG00000110090;ENSG00000113161;ENSG00000113575;ENSG00000114268;ENSG00000120907;ENSG00000121879;ENSG00000132170;ENSG00000133101;ENSG00000142208;ENSG00000145386;ENSG00000170525;ENSG00000171105;ENSG00000171608 ENSG00000051382;ENSG00000064012;ENSG0000073756;ENSG00000100784;ENSG00000100985;ENSG00000102882;ENSG00000109339;ENSG00000112062;ENSG00000121879;ENSG00000125538;ENSG00000142208;ENSG00000149968;ENSG00000157227;ENSG00000164305;ENSG00000165806;ENSG00000169032;ENSG00000171608;ENSG00000185386;ENSG00000232810 ENSG00000043591;ENSG00000102468;ENSG00000102882;ENSG00000113721;ENSG00000132155;ENSG00000135914;ENSG00000141551;ENSG00000146648;ENSG00000147246;ENSG00000149295;ENSG00000154229;ENSG00000168959;ENSG00000169032;ENSG00000170312;ENSG00000174775;ENSG00000184845 ENSG00000051382;ENSG00000082701;ENSG00000102882;ENSG00000106799;ENSG00000108443;ENSG00000109339;ENSG00000121879;ENSG00000132155;ENSG00000142208;ENSG00000146648;ENSG00000157764;ENSG00000164305;ENSG00000169032;ENSG00000171608;ENSG00000174775 |
| Environmental Information Processing | TNF signaling pathway | 19 | 130 | 5.37E-06 | 3.52E-05 | ko04668 | ENSG00000043591;ENSG00000102468;ENSG00000102882;ENSG00000113721;ENSG00000132155;ENSG00000135914;ENSG00000141551;ENSG00000146648;ENSG00000147246;ENSG00000149295;ENSG00000154229;ENSG00000168959;ENSG00000169032;ENSG00000170312;ENSG00000174775;ENSG00000184845 ENSG00000051382;ENSG00000082701;ENSG00000102882;ENSG00000106799;ENSG00000108443;ENSG00000109339;ENSG00000121879;ENSG00000132155;ENSG00000142208;ENSG00000146648;ENSG00000157764;ENSG00000164305;ENSG00000169032;ENSG00000171608;ENSG00000174775 |
| Cellular Processes | Gap junction | 16 | 98 | 7.05E-06 | 4.52E-05 | ko04540 | ENSG00000051382;ENSG00000082701;ENSG00000102882;ENSG00000106799;ENSG00000108443;ENSG00000109339;ENSG00000121879;ENSG00000132155;ENSG00000142208;ENSG00000146648;ENSG00000157764;ENSG00000164305;ENSG00000169032;ENSG00000171608;ENSG00000174775 |
| Human Diseases | Colorectal cancer | 15 | 88 | 7.93E-06 | 4.97E-05 | ko05210 | ENSG00000051382;ENSG00000090402;ENSG00000100170;ENSG00000121879;ENSG00000137700;ENSG00000142208;ENSG00000156515;ENSG00000159399;ENSG00000171608;ENSG00000243480;ENSG00000257335 ENSG000000012779;ENSG00000051382;ENSG00000102882;ENSG00000109339;ENSG00000112062;ENSG00000121879;ENSG00000132155;ENSG00000142208;ENSG00000154229;ENSG00000169032;ENSG00000171608;ENSG00000174775 |
| Organismal Systems | Carbohydrate digestion and absorption | 11 | 49 | 8.64E-06 | 5.30E-05 | ko04973 | ENSG000000012779;ENSG00000051382;ENSG00000102882;ENSG00000109339;ENSG00000112062;ENSG00000121879;ENSG00000132155;ENSG00000142208;ENSG00000154229;ENSG00000169032;ENSG00000171608;ENSG00000174775 |
| Organismal Systems | Fc epsilon RI signaling | 14 | 79 | 1.00E-05 | 5.88E-05 | ko04664 | ENSG000000012779;ENSG00000051382;ENSG00000102882;ENSG00000109339;ENSG00000112062;ENSG00000121879;ENSG00000132155;ENSG00000142208;ENSG00000154229;ENSG00000169032;ENSG00000171608;ENSG00000174775 |

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| | pathway | | | | | | 00174775;ENSG00000185386;ENSG00000232810 |
| | | | | | | | ENSG000000051382;ENSG00000102882;ENSG00000106799;ENSG00000116478;ENSG00000121879;ENSG00000132155;ENSG00000135446;ENSG00000142208;ENSG00000157764;ENSG00000169032;ENSG00000171552;ENSG00000171608;ENSG00000174775;ENSG00000179295 |
| Human Diseases | Chronic myeloid leukemia | 14 | 79 | 1.00E-05 | 5.88E-05 | ko05220 | ENSG00000051382;ENSG0000082701;ENSG0000085563;ENSG00000102882;ENSG00000105976;ENSG00000106799;ENSG00000108443;ENSG00000113578;ENSG00000121879;ENSG00000123374;ENSG00000132155;ENSG00000138685;ENSG00000142208;ENSG00000146648;ENSG00000154342;ENSG00000157764;ENSG00000164362;ENSG00000164690;ENSG00000169032;ENSG00000171608;ENSG00000174775 |
| Human Diseases | Gastric cancer | 21 | 161 | 1.08E-05 | 6.22E-05 | ko05226 | ENSG00000027075;ENSG00000102882;ENSG00000120907;ENSG00000128271;ENSG00000132155;ENSG00000144891;ENSG00000151617;ENSG00000154229;ENSG00000156113;ENSG00000157764;ENSG00000163932;ENSG00000169032;ENSG00000170214;ENSG00000170425;ENSG00000170890;ENSG00000171873;ENSG00000184381;ENSG00000186298 |
| Organismal Systems | Vascular smooth muscle contraction | 18 | 125 | 1.17E-05 | 6.62E-05 | ko04270 | ENSG00000011677;ENSG00000022355;ENSG00000101204;ENSG00000113327;ENSG00000145864;ENSG00000151834;ENSG00000160716;ENSG00000166206;ENSG00000175344;ENSG00000186297 |
| Human Diseases | Nicotine addiction | 10 | 42 | 1.28E-05 | 7.06E-05 | ko05033 | ENSG00000005339;ENSG00000051382;ENSG00000096968;ENSG00000105397;ENSG00000105639;ENSG00000109471;ENSG00000111679;ENSG00000113721;ENSG00000121879;ENSG00000132155;ENSG00000137193;ENSG00000142208;ENSG00000143384;ENSG00000146648;ENSG00000162434;ENSG00000168610;ENSG00000171552;ENSG00000171608;ENSG00000174775;ENSG00000175354;ENSG00000179295 |
| Environmental Information Processing | Jak-STAT signaling pathway | 21 | 167 | 1.91E-05 | 1.03E-04 | ko04630 | ENSG000000051382;ENSG00000102882;ENSG00000106976;ENSG00000113721;ENSG00000 |
| Environmental Information | Phospholipase D | 20 | 157 | 2.49E-05 | 1.32E-04 | ko04072 | |

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| Processing | signalin g pathway | | | | | | 121879;ENSG00000122420;ENSG00000132155;ENSG00000142208;ENSG00000144891;ENSG00000146648;ENSG00000154229;ENSG00000157404;ENSG00000164082;ENSG00000168959;ENSG00000169032;ENSG00000171105;ENSG00000171608;ENSG00000174775;ENSG00000179295;ENSG00000180871;ENSG00000051382;ENSG00000102882;ENSG00000113721;ENSG00000121879;ENSG00000132155;ENSG00000135446;ENSG00000142208;ENSG00000146648;ENSG00000154229;ENSG00000157764;ENSG00000169032;ENSG00000171608;ENSG00000174775 |
| Human Diseases | Glioma | 13 | 75 | 2.66E-05 | 1.39E-04 | ko05214 | ENSG00000051382;ENSG00000102882;ENSG00000121879;ENSG00000151623;ENSG00000151704;ENSG00000154229;ENSG00000171105;ENSG00000171608;ENSG00000176387 |
| Organismal Systems | Aldosterone-regulated sodium reabsorption | 9 | 37 | 2.90E-05 | 1.49E-04 | ko04960 | ENSG00000064012;ENSG00000080815;ENSG00000082701;ENSG00000089250;ENSG00000102882;ENSG00000111640;ENSG00000117362;ENSG00000125538;ENSG00000138613;ENSG00000142192;ENSG00000143801;ENSG00000151694;ENSG00000162736;ENSG00000164305;ENSG00000164885;ENSG00000165806;ENSG00000176749;ENSG00000178607;ENSG00000186318;ENSG00000189043;ENSG00000196549;ENSG00000205155;ENSG00000232810;ENSG00000051382;ENSG00000066027;ENSG00000080824;ENSG00000082701;ENSG00000096968;ENSG00000102755;ENSG00000102882;ENSG00000105639;ENSG00000105976;ENSG00000108443;ENSG00000109471;ENSG00000112715;ENSG00000113575;ENSG00000113578;ENSG00000113721;ENSG00000121879;ENSG00000123374;ENSG00000128052;ENSG00000132155;ENSG00000135446;ENSG00000138685;ENSG00000142208;ENSG00000143384;ENSG00000146648;ENSG00000154229;ENSG00000157404;ENSG00000162434;ENSG00000164867;ENSG00000168539;ENSG00000169032;ENSG00000171105;ENSG00000171552;ENSG00000171608;ENSG00000174775;ENSG00000176387 |
| Human Diseases | Alzheimer disease | 23 | 199 | 3.07E-05 | 1.51E-04 | ko05010 | ENSG00000064012;ENSG00000080815;ENSG00000082701;ENSG00000089250;ENSG00000102882;ENSG00000111640;ENSG00000117362;ENSG00000125538;ENSG00000138613;ENSG00000142192;ENSG00000143801;ENSG00000151694;ENSG00000162736;ENSG00000164305;ENSG00000164885;ENSG00000165806;ENSG00000176749;ENSG00000178607;ENSG00000186318;ENSG00000189043;ENSG00000196549;ENSG00000205155;ENSG00000232810;ENSG00000051382;ENSG00000066027;ENSG00000080824;ENSG00000082701;ENSG00000096968;ENSG00000102755;ENSG00000102882;ENSG00000105639;ENSG00000105976;ENSG00000108443;ENSG00000109471;ENSG00000112715;ENSG00000113575;ENSG00000113578;ENSG00000113721;ENSG00000121879;ENSG00000123374;ENSG00000128052;ENSG00000132155;ENSG00000135446;ENSG00000138685;ENSG00000142208;ENSG00000143384;ENSG00000146648;ENSG00000154229;ENSG00000157404;ENSG00000162434;ENSG00000164867;ENSG00000168539;ENSG00000169032;ENSG00000171105;ENSG00000171552;ENSG00000171608;ENSG00000174775;ENSG00000176387 |
| Environmental Information Processing | PI3K-Akt signalin g pathway | 35 | 374 | 3.12E-05 | 1.51E-04 | ko04151 | ENSG00000064012;ENSG00000080815;ENSG00000082701;ENSG00000089250;ENSG00000102882;ENSG00000111640;ENSG00000117362;ENSG00000125538;ENSG00000138613;ENSG00000142192;ENSG00000143801;ENSG00000151694;ENSG00000162736;ENSG00000164305;ENSG00000164885;ENSG00000165806;ENSG00000176749;ENSG00000178607;ENSG00000186318;ENSG00000189043;ENSG00000196549;ENSG00000205155;ENSG00000232810;ENSG00000051382;ENSG00000066027;ENSG00000080824;ENSG00000082701;ENSG00000096968;ENSG00000102755;ENSG00000102882;ENSG00000105639;ENSG00000105976;ENSG00000108443;ENSG00000109471;ENSG00000112715;ENSG00000113575;ENSG00000113578;ENSG00000113721;ENSG00000121879;ENSG00000123374;ENSG00000128052;ENSG00000132155;ENSG00000135446;ENSG00000138685;ENSG00000142208;ENSG00000143384;ENSG00000146648;ENSG00000154229;ENSG00000157404;ENSG00000162434;ENSG00000164867;ENSG00000168539;ENSG00000169032;ENSG00000171105;ENSG00000171552;ENSG00000171608;ENSG00000174775;ENSG00000176387 |

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| Environmental Information Processing | ErbB signaling pathway | 14 | 87 | 3.13E-05 | 1.51E-04 | ko04012 | 0000181072 ENSG00000051382;ENSG00000082701;ENSG00000102882;ENSG00000108443;ENSG00000109339;ENSG00000121879;ENSG00000132155;ENSG00000142208;ENSG00000146648;ENSG00000154229;ENSG00000157764;ENSG00000169032;ENSG00000171608;ENSG00000174775 ENSG0000005339;ENSG00000051382;ENSG00000064012;ENSG00000073756;ENSG00000082701;ENSG00000096968;ENSG00000102882;ENSG00000105397;ENSG00000109339;ENSG00000112062;ENSG00000112715;ENSG00000121879;ENSG00000132155;ENSG00000135446;ENSG00000138685;ENSG00000142208;ENSG00000162434;ENSG00000162889;ENSG00000163823;ENSG00000164305;ENSG00000168610;ENSG00000169032;ENSG00000171608;ENSG00000174775;ENSG00000179934;ENSG00000185386 ENSG00000051382;ENSG00000067606;ENSG00000102882;ENSG00000109339;ENSG00000121879;ENSG00000156515;ENSG00000159399;ENSG00000163932;ENSG00000171105;ENSG00000171608;ENSG00000232810 ENSG00000071242;ENSG00000079277;ENSG00000100784;ENSG00000101224;ENSG00000102755;ENSG00000102882;ENSG00000105976;ENSG00000106799;ENSG00000108861;ENSG00000109339;ENSG00000109971;ENSG00000112062;ENSG00000112715;ENSG00000113578;ENSG00000113721;ENSG00000125538;ENSG00000128052;ENSG00000132155;ENSG00000138685;ENSG00000142208;ENSG00000146648;ENSG00000153956;ENSG00000154229;ENSG00000157404;ENSG00000157764;ENSG00000162889;ENSG00000164305;ENSG00000169032;ENSG00000171105;ENSG00000174775;ENSG00000185386;ENSG00000232810 ENSG00000051382;ENSG00000082175;ENSG00000082701;ENSG00000091831;ENSG00000102882;ENSG00000108443;ENSG00000113578;ENSG00000121879;ENSG00000132155;ENSG00000135446;ENSG00000138685;ENSG00000142208;ENSG00000146648;ENSG00000154229;ENSG00000157764;ENSG00000162889;ENSG00000164305;ENSG00000169032;ENSG00000171105;ENSG00000174775;ENSG00000185386;ENSG00000232810 |
| Human Diseases | Kaposi sarcoma-associated herpesvirus infection | 26 | 241 | 3.17E-05 | 1.51E-04 | ko05167 | |
| Human Diseases | Type II diabetes mellitus | 11 | 56 | 3.32E-05 | 1.56E-04 | ko04930 | |
| Environmental Information Processing | MAPK signaling pathway | 32 | 332 | 3.87E-05 | 1.79E-04 | ko04010 | |
| Human Diseases | Breast cancer | 20 | 162 | 3.94E-05 | 1.79E-04 | ko05224 | |

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| | | | | | | | 00140009;ENSG00000142208;ENSG00000146648;ENSG00000154342;ENSG00000157404;ENSG00000157764;ENSG00000169032;ENSG00000171608;ENSG00000174775 |
| Organismal Systems | PPAR signaling pathway | 13 | 79 | 4.70E-05 | 2.10E-04 | ko03320 | ENSG00000025434;ENSG00000099194;ENSG00000110090;ENSG00000112033;ENSG00000121769;ENSG00000132170;ENSG00000135929;ENSG00000157184;ENSG00000163586;ENSG00000164687;ENSG00000170323;ENSG00000186951;ENSG00000196611 |
| Organismal Systems | Renin-angiotensin system | 7 | 23 | 4.78E-05 | 2.11E-04 | ko04614 | ENSG00000085377;ENSG00000092009;ENSG00000138792;ENSG00000144891;ENSG00000159640;ENSG00000166825;ENSG00000196549 |
| Organismal Systems | T cell receptor signaling pathway | 16 | 114 | 4.95E-05 | 2.15E-04 | ko04660 | ENSG00000051382;ENSG00000082701;ENSG00000102882;ENSG00000109471;ENSG00000111679;ENSG00000112062;ENSG00000121879;ENSG00000132155;ENSG00000135446;ENSG00000142208;ENSG00000169032;ENSG00000171608;ENSG00000172175;ENSG00000174775;ENSG00000185386;ENSG00000232810 |
| Metabolism | Starch and sucrose metabolism | 9 | 40 | 5.65E-05 | 2.41E-04 | ko00500 | ENSG00000068976;ENSG00000090402;ENSG00000100504;ENSG00000118094;ENSG00000156515;ENSG00000159399;ENSG00000171298;ENSG00000243480;ENSG00000257335 |
| Metabolism | Arachidonic acid metabolism | 12 | 70 | 6.07E-05 | 2.54E-04 | ko00590 | ENSG00000012779;ENSG00000059377;ENSG00000073756;ENSG00000095303;ENSG00000111144;ENSG00000120915;ENSG00000148344;ENSG00000159228;ENSG00000163106;ENSG00000170890;ENSG00000184381;ENSG00000196139 |
| Human Diseases | Chagas disease (American trypanosomiasis) | 16 | 116 | 6.13E-05 | 2.54E-04 | ko05142 | ENSG00000007171;ENSG00000051382;ENSG00000064012;ENSG00000102882;ENSG00000106799;ENSG00000109339;ENSG00000109471;ENSG00000112062;ENSG00000113575;ENSG00000121879;ENSG00000125538;ENSG00000142208;ENSG00000159640;ENSG00000171608;ENSG00000185386;ENSG00000232810 |
| Human Diseases | Endometrial cancer | 11 | 61 | 7.61E-05 | 3.10E-04 | ko05213 | ENSG00000051382;ENSG00000082701;ENSG00000102882;ENSG00000121879;ENSG00000132155;ENSG00000142208;ENSG00000146648;ENSG00000157764;ENSG00000169032;ENSG00000171608;ENSG00000174775 |

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| Organismal Systems | IL-17 signaling pathway | 15 | 106 | 7.70E-05 | 3.10E-04 | ko04657 | ENSG00000064012;ENSG00000073756;ENSG00000080824;ENSG00000082701;ENSG00000100985;ENSG00000102882;ENSG00000109339;ENSG00000112062;ENSG00000125538;ENSG00000137745;ENSG00000149968;ENSG00000164305;ENSG00000185386;ENSG00000196611;ENSG00000232810 |
| Organismal Systems | Estrogen signaling pathway | 20 | 171 | 8.54E-05 | 3.39E-04 | ko04915 | ENSG00000051382;ENSG00000080824;ENSG00000082175;ENSG00000087245;ENSG00000091831;ENSG00000100985;ENSG00000102882;ENSG00000109971;ENSG00000121879;ENSG00000132155;ENSG00000136928;ENSG00000140009;ENSG00000142208;ENSG00000146648;ENSG00000163932;ENSG00000164867;ENSG00000169032;ENSG00000171608;ENSG00000174775;ENSG00000204681 |
| Environmental Information Processing | Ras signaling pathway | 25 | 243 | 9.82E-05 | 3.85E-04 | ko04014 | ENSG00000051382;ENSG00000102755;ENSG00000102882;ENSG00000105976;ENSG00000109339;ENSG00000112715;ENSG00000113578;ENSG00000113721;ENSG00000121879;ENSG00000128052;ENSG00000132155;ENSG00000138685;ENSG00000142208;ENSG00000146648;ENSG00000148680;ENSG00000154229;ENSG00000157404;ENSG00000169032;ENSG00000170890;ENSG00000171105;ENSG00000171552;ENSG00000171608;ENSG00000174775;ENSG00000179295;ENSG00000184381 |
| Organismal Systems | B cell receptor signaling pathway | 12 | 74 | 0.00010624 | 4.10E-04 | ko04662 | ENSG00000051382;ENSG00000082701;ENSG00000102882;ENSG00000110651;ENSG00000111679;ENSG00000121879;ENSG00000132155;ENSG00000142208;ENSG00000169032;ENSG00000171608;ENSG00000172175;ENSG00000174775 |
| Metabolism | Other glycan degradation | 7 | 27 | 0.00014805 | 5.64E-04 | ko00511 | ENSG00000109323;ENSG00000115488;ENSG00000162139;ENSG00000167280;ENSG00000177628;ENSG00000179163;ENSG00000204099 |
| Human Diseases | Human cytomegalovirus infection | 28 | 307 | 0.00030177 | 1.13E-03 | ko05163 | ENSG00000050628;ENSG00000051382;ENSG00000064012;ENSG00000073756;ENSG00000082701;ENSG00000102882;ENSG00000108443;ENSG00000112062;ENSG00000112715;ENSG00000121879;ENSG00000125384;ENSG00000125538;ENSG00000132155;ENSG00000135446;ENSG00000142208;ENSG00000146648;E |

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| | | | | | | | | NSG00000154229;ENSG00000162434;ENSG00000163823;ENSG00000164305;ENSG00000168610;ENSG00000169032;ENSG00000171522;ENSG00000171608;ENSG00000174775;ENSG00000180871;ENSG00000185386;ENSG00000232810 |
| Cellular Processes | Autophagy - animal | 16 | 133 | 0.000 31302 4 | 1.16E-03 | ko04140 | ENSG00000051382;ENSG00000102882;ENSG00000108443;ENSG00000109339;ENSG00000113575;ENSG00000121879;ENSG00000132155;ENSG00000135047;ENSG00000142208;ENSG00000163932;ENSG00000164733;ENSG00000169032;ENSG00000171552;ENSG00000171608;ENSG00000174775;ENSG00000178607 | |
| Human Diseases | Choline metabolism in cancer | 14 | 109 | 0.000 37488 8 | 1.37E-03 | ko05231 | ENSG00000051382;ENSG00000102882;ENSG00000108443;ENSG00000109339;ENSG00000113721;ENSG00000115665;ENSG00000121879;ENSG00000132155;ENSG00000142208;ENSG00000146648;ENSG00000154229;ENSG00000169032;ENSG00000171608;ENSG00000174775 | |
| Human Diseases | Fluid shear stress and atherosclerosis | 17 | 149 | 0.000 38658 3 | 1.40E-03 | ko05418 | ENSG00000051382;ENSG00000067606;ENSG00000080824;ENSG00000087245;ENSG00000100985;ENSG00000109339;ENSG00000112062;ENSG00000112715;ENSG00000121879;ENSG00000125538;ENSG00000128052;ENSG00000135047;ENSG00000142208;ENSG00000164867;ENSG00000171608;ENSG00000185386;ENSG00000232810 | |
| Organismal Systems | Ovarian Steroidogenesis | 9 | 51 | 0.000 40452 1 | 1.44E-03 | ko04913 | ENSG00000012779;ENSG00000073756;ENSG00000086696;ENSG00000108786;ENSG00000137869;ENSG00000138061;ENSG00000148795;ENSG00000171105;ENSG00000196139 | |
| Cellular Processes | Signaling pathway regulating pluripotency of stem cells | 17 | 150 | 0.000 41833 1 | 1.47E-03 | ko04550 | ENSG00000051382;ENSG00000082701;ENSG00000096968;ENSG00000102882;ENSG00000105639;ENSG00000112062;ENSG00000121879;ENSG00000132155;ENSG00000138685;ENSG00000142208;ENSG00000154342;ENSG00000162434;ENSG00000168610;ENSG00000169032;ENSG00000171608;ENSG00000174775;ENSG00000185386 | |
| Human Diseases | Hepatocellular | 19 | 178 | 0.000 42085 | 1.47E-03 | ko05225 | ENSG00000051382;ENSG00000082701;ENSG00000102882;ENSG00000105976;ENSG00000 | |

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| | carcino | | | 4 | | | | | 106799;ENSG00000108443;ENSG00000121879;ENSG00000132155;ENSG00000135446;ENSG00000142208;ENSG00000146648;ENSG00000154229;ENSG00000154342;ENSG00000157764;ENSG00000164362;ENSG00000169032;ENSG00000171552;ENSG00000171608;ENSG00000174775 |
| | ma | | | | | | | | ENSG00000005339;ENSG00000051382;ENSG00000064012;ENSG00000066027;ENSG00000067606;ENSG00000073756;ENSG00000080815;ENSG00000082701;ENSG00000094631;ENSG00000102882;ENSG00000105397;ENSG00000108443;ENSG00000112715;ENSG00000113575;ENSG00000113721;ENSG00000116478;ENSG00000121879;ENSG00000123374;ENSG00000132155;ENSG00000133101;ENSG00000135446;ENSG00000142208;ENSG00000145386;ENSG00000146648;ENSG00000149311;ENSG00000154342;ENSG00000162434;ENSG00000164305;ENSG00000164362;ENSG00000169032;ENSG00000171522;ENSG00000171608;ENSG00000174775;ENSG00000232810 |
| Human Diseases | Human papillomavirus infection | 34 | 416 | 54967 | 0.000 | 1.89E-03 | ko05165 | | ENSG000000051382;ENSG00000082701;ENSG00000096968;ENSG00000101266;ENSG00000105397;ENSG00000105639;ENSG00000109471;ENSG00000109971;ENSG00000115353;ENSG00000121879;ENSG00000123374;ENSG00000125538;ENSG00000135446;ENSG00000142208;ENSG00000162434;ENSG00000168610;ENSG00000171608 |
| Human Diseases | Measles | 17 | 155 | 61310 | 0.000 | 2.08E-03 | ko05162 | | ENSG00000085662;ENSG00000090402;ENSG00000156515;ENSG00000159399;ENSG00000171298;ENSG00000198074;ENSG00000257335 |
| Metabolism | Galactose metabolism | 7 | 34 | 68212 | 0.000 | 2.29E-03 | ko00052 | | ENSG00000005339;ENSG00000082701;ENSG00000097046;ENSG00000101224;ENSG00000116478;ENSG00000123374;ENSG00000133101;ENSG00000134057;ENSG00000135446;ENSG00000145386;ENSG00000149311;ENSG00000158402;ENSG00000164045;ENSG00000170312;ENSG00000253729 |
| Cellular Processes | Cell cycle | 15 | 129 | 68888 | 0.000 | 2.29E-03 | ko04110 | | ENSG00000019186;ENSG00000065989;ENSG00000102882;ENSG00000111424;ENSG00000113448;ENSG00000132155;ENSG0000013774 |
| Organismal Systems | Parathyroid hormone | 14 | 117 | 77449 | 0.000 | 2.54E-03 | ko04928 | | |

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| | e synthesi s, secretio n and action | | | | | | | | 5;ENSG00000146648;ENSG00000154229;ENSG00000156103;ENSG00000157227;ENSG00000157764;ENSG00000169032;ENSG00000184588 |
| Metabolism | Folate biosynthesis | 6 | 26 | 0.00087548 | 2.80E-03 | ko00790 | | | ENSG00000085662;ENSG00000137563;ENSG00000159228;ENSG00000162551;ENSG00000196139;ENSG00000198074 |
| Cellular Processes | Adherens junction | 11 | 80 | 0.00088236 | 2.80E-03 | ko04520 | | | ENSG00000005339;ENSG00000101266;ENSG00000102882;ENSG00000105976;ENSG00000106799;ENSG00000111679;ENSG00000142949;ENSG00000143727;ENSG00000146648;ENSG00000171105;ENSG00000196396 |
| Metabolism | Purine metabolism | 19 | 189 | 0.00088478 | 2.80E-03 | ko00230 | | | ENSG00000065989;ENSG00000101868;ENSG00000112541;ENSG00000113448;ENSG00000123360;ENSG00000128655;ENSG00000133805;ENSG00000138735;ENSG00000154678;ENSG00000156110;ENSG00000160191;ENSG00000165704;ENSG00000172572;ENSG00000178035;ENSG00000184588;ENSG00000186642;ENSG00000196839;ENSG00000198805;ENSG00000284741 |
| Environmental Information Processing | Notch signaling pathway | 9 | 58 | 0.00107094 | 3.33E-03 | ko04330 | | | ENSG00000005339;ENSG00000080815;ENSG00000116478;ENSG00000117362;ENSG00000138613;ENSG00000143801;ENSG00000151694;ENSG00000162736;ENSG00000205155 |
| Organismal Systems | Chemokine signaling pathway | 20 | 207 | 0.00107454 | 3.33E-03 | ko04062 | | | ENSG000000051382;ENSG00000067606;ENSG00000082701;ENSG00000096968;ENSG00000102882;ENSG00000105639;ENSG00000121879;ENSG00000132155;ENSG00000142208;ENSG00000157764;ENSG00000163823;ENSG00000163932;ENSG00000168610;ENSG00000169032;ENSG00000171608;ENSG00000173020;ENSG00000173585;ENSG00000174775;ENSG00000179934;ENSG00000180871 |
| Organismal Systems | Long-term potentiation | 10 | 70 | 0.00111165 | 3.41E-03 | ko04720 | | | ENSG00000005339;ENSG00000071242;ENSG00000102882;ENSG00000132155;ENSG00000154229;ENSG00000157764;ENSG00000168959;ENSG00000169032;ENSG00000174775;ENSG00000186298 |
| Organismal Systems | GnRH signaling | 12 | 96 | 0.00123480 | 3.74E-03 | ko04912 | | | ENSG000000087245;ENSG00000102882;ENSG00000109339;ENSG00000112062;ENSG00000132155;ENSG00000146648;ENSG00000154229 |

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| | pathway | | | | | | | 9;ENSG00000157227;ENSG00000163932;ENSG00000169032;ENSG00000174775;ENSG00000185386 |
| Environmental Information Processing | Hedgehog signaling pathway | 8 | 48 | 25052 | 0.001 | 3.75E-03 | ko04340 | ENSG00000082701;ENSG00000111087;ENSG00000128602;ENSG00000141551;ENSG00000164690;ENSG00000173020;ENSG00000213923;ENSG00000283900 |
| Organismal Systems | Retrograde endocannabinoid signaling | 17 | 168 | 51616 | 0.001 | 4.50E-03 | ko04723 | ENSG00000011677;ENSG00000022355;ENSG00000073756;ENSG00000102882;ENSG00000109339;ENSG00000112062;ENSG00000113327;ENSG00000117480;ENSG00000118432;ENSG00000145864;ENSG00000151834;ENSG00000154229;ENSG00000166206;ENSG00000168959;ENSG00000185386;ENSG00000186297;ENSG00000189043 |
| Organismal Systems | Adrenergic signaling in cardiomyocytes | 16 | 154 | 57055 | 0.001 | 4.61E-03 | ko04261 | ENSG00000043591;ENSG00000066027;ENSG00000100784;ENSG00000102882;ENSG00000112062;ENSG00000113575;ENSG00000120907;ENSG00000142208;ENSG00000144891;ENSG00000153956;ENSG00000154229;ENSG00000169252;ENSG00000170214;ENSG00000171873;ENSG00000185386;ENSG00000186298 |
| Organismal Systems | Dopaminergic synapse | 15 | 142 | 84800 | 0.001 | 5.37E-03 | ko04728 | ENSG00000066027;ENSG00000069535;ENSG00000082701;ENSG00000109339;ENSG00000112062;ENSG00000113575;ENSG00000142208;ENSG00000142319;ENSG00000149295;ENSG00000151577;ENSG00000154229;ENSG00000184845;ENSG00000185386;ENSG00000186298;ENSG00000189221 |
| Organismal Systems | Taste transduction | 13 | 117 | 33166 | 0.002 | 6.71E-03 | ko04742 | ENSG000000123360;ENSG00000133019;ENSG00000135312;ENSG00000136928;ENSG00000151834;ENSG00000154678;ENSG00000178394;ENSG00000179546;ENSG00000186297;ENSG00000204681;ENSG00000256436 |
| Human Diseases | Cocaine addiction | 8 | 53 | 41263 | 0.002 | 6.87E-03 | ko05030 | ENSG00000069535;ENSG00000142319;ENSG00000149295;ENSG00000164082;ENSG00000164885;ENSG00000176749;ENSG00000184845;ENSG00000189221 |
| Cellular Processes | Focal adhesion | 19 | 212 | 36136 | 0.003 | 9.43E-03 | ko04510 | ENSG00000051382;ENSG00000082701;ENSG00000102755;ENSG00000102882;ENSG00000105976;ENSG00000109339;ENSG00000112715;ENSG00000113721;ENSG00000121879;ENSG00000128602 |

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| | | | | | | | G00000128052;ENSG00000132155;ENSG00000142208;ENSG00000146648;ENSG00000154229;ENSG00000157764;ENSG00000169032;ENSG00000171608;ENSG00000174775;ENSG00000186298 |
| Organismal Systems | Toll-like receptor signaling pathway | 13 | 122 | 0.003 37623 | 9.43E-03 | ko04620 | ENSG00000051382;ENSG00000064012;ENSG00000102882;ENSG00000109339;ENSG00000112062;ENSG00000121879;ENSG00000125538;ENSG00000142208;ENSG00000143387;ENSG00000169032;ENSG00000171608;ENSG00000185386;ENSG00000232810 |
| Organismal Systems | Fc gamma R-mediated phagocytosis | 11 | 95 | 0.003 59215 | 9.93E-03 | ko04666 | ENSG00000051382;ENSG00000102882;ENSG00000108443;ENSG00000121879;ENSG00000132155;ENSG00000142208;ENSG00000154229;ENSG00000163932;ENSG00000169032;ENSG00000171608;ENSG00000184381 |
| Metabolism | Fructose and mannose metabolism | 6 | 34 | 0.003 76805 | 1.03E-02 | ko00051 | ENSG00000085662;ENSG00000114268;ENSG00000156515;ENSG00000159399;ENSG00000170525;ENSG00000198074 |
| Cellular Processes | Regulation of actin cytoskeleton | 19 | 218 | 0.004 56488 | 1.24E-02 | ko04810 | ENSG00000051382;ENSG00000102882;ENSG00000113578;ENSG00000113721;ENSG00000121879;ENSG00000132155;ENSG00000133019;ENSG00000138685;ENSG00000146648;ENSG00000157764;ENSG00000168539;ENSG00000169032;ENSG00000171608;ENSG00000174775;ENSG00000180210;ENSG00000180720;ENSG00000181072;ENSG00000184984;ENSG00000186298 |
| Environmental Information Processing | mTOR signaling pathway | 16 | 172 | 0.004 79775 | 1.29E-02 | ko04150 | ENSG00000051382;ENSG00000071242;ENSG00000082701;ENSG00000102882;ENSG00000108443;ENSG00000121879;ENSG00000132155;ENSG00000142208;ENSG00000154229;ENSG00000154342;ENSG00000157764;ENSG00000169032;ENSG00000171105;ENSG00000171608;ENSG00000174775;ENSG00000232810 |
| Organismal Systems | Long-term depression | 8 | 60 | 0.005 29323 | 1.40E-02 | ko04730 | ENSG00000089250;ENSG00000102882;ENSG00000113575;ENSG00000132155;ENSG00000154229;ENSG00000157764;ENSG00000169032;ENSG00000174775 |
| Organismal | Salivary | 11 | 100 | 0.005 | 1.40E-02 | ko04970 | ENSG00000004468;ENSG00000043591;ENSG |

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| Systems | secretion | | | 33041 | 2 | | | 0000089250;ENSG00000120907;ENSG00000133019;ENSG00000154229;ENSG00000156113;ENSG00000169252;ENSG00000170214;ENSG00000171873;ENSG00000188778 |
| Cellular Processes | p53 signaling pathway | 9 | 73 | 38469 | 1.41E-02 | ko04115 | | ENSG00000064012;ENSG00000123374;ENSG00000134057;ENSG00000135446;ENSG00000146674;ENSG00000149311;ENSG00000164305;ENSG00000170312;ENSG00000171552 |
| Organismal Systems | Pancreatic secretion | 11 | 102 | 0.006 | 1.59E-02 | ko04972 | | ENSG00000001626;ENSG00000004468;ENSG000000080618;ENSG00000104267;ENSG00000133019;ENSG00000154229;ENSG00000156113;ENSG00000168925;ENSG00000170890;ENSG00000204983;ENSG00000243480 |
| Organismal Systems | Thyroid hormone signaling pathway | 13 | 131 | 0.006 | 1.59E-02 | ko04919 | | ENSG00000005339;ENSG00000051382;ENSG000000082701;ENSG00000091831;ENSG00000102882;ENSG00000116478;ENSG00000121879;ENSG00000132155;ENSG00000142208;ENSG00000154229;ENSG00000169032;ENSG00000171608;ENSG00000174775 |
| Human Diseases | Non-alcoholic fatty liver disease (NAFLD) | 16 | 178 | 0.006 | 1.69E-02 | ko04932 | | ENSG000000025434;ENSG00000051382;ENSG000000064012;ENSG00000082701;ENSG00000109339;ENSG00000121879;ENSG00000125538;ENSG00000142208;ENSG00000164305;ENSG00000165806;ENSG00000171105;ENSG00000171608;ENSG00000178607;ENSG00000186951;ENSG00000189043;ENSG00000232810 |
| Human Diseases | Platinum drug resistance | 9 | 76 | 0.007 | 1.77E-02 | ko01524 | | ENSG000000051382;ENSG00000064012;ENSG00000102882;ENSG00000121879;ENSG00000142208;ENSG00000149311;ENSG00000164305;ENSG00000171552;ENSG00000171608 |
| Human Diseases | Amyotrophic lateral sclerosis (ALS) | 8 | 63 | 0.007 | 1.77E-02 | ko05014 | | ENSG000000089250;ENSG00000110436;ENSG00000112062;ENSG00000137752;ENSG00000164305;ENSG00000171552;ENSG00000185386;ENSG00000232810 |
| Human Diseases | Influenza A | 22 | 277 | 0.007 | 1.77E-02 | ko05164 | | ENSG00000005339;ENSG00000051382;ENSG000000082701;ENSG00000096968;ENSG00000102882;ENSG00000105397;ENSG00000109339;ENSG00000109971;ENSG00000112062;ENSG00000121879;ENSG00000122194;ENSG00000125538;ENSG00000132155;ENSG00000137752;ENSG00000142208;ENSG00000154229;ENSG00000162434;ENSG00000169032;ENSG00000171608;ENSG00000185386;ENSG000002 |

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| Metabolism | Arginine and proline metabolism | 7 | 51 | 594762 | 0.007 | 1.85E-02 | ko00330 | | ENSG0000007171;ENSG00000065154;ENSG00000069535;ENSG00000089250;ENSG00000123505;ENSG00000164867;ENSG00000189221 |
| Organismal Systems | Melanogenesis | 11 | 105 | 674541 | 0.007 | 1.85E-02 | ko04916 | | ENSG0000005339;ENSG00000077498;ENSG00000082701;ENSG00000102882;ENSG00000132155;ENSG00000136160;ENSG00000154229;ENSG00000154342;ENSG00000157404;ENSG00000169032;ENSG00000174775 |
| Human Diseases | Viral carcinogenesis | 21 | 262 | 67901 | 0.007 | 1.85E-02 | ko05203 | | ENSG0000005339;ENSG00000051382;ENSG00000064012;ENSG00000070501;ENSG00000094631;ENSG00000102882;ENSG00000105639;ENSG00000116478;ENSG00000121879;ENSG00000123374;ENSG00000133101;ENSG00000135446;ENSG00000145386;ENSG00000162434;ENSG00000162889;ENSG00000164305;ENSG00000168610;ENSG00000170312;ENSG00000171608;ENSG00000174775;ENSG00000179934 |
| Organismal Systems | Platelet activation | 13 | 135 | 941009 | 0.007 | 1.90E-02 | ko04611 | | ENSG00000051382;ENSG00000059377;ENSG00000067606;ENSG00000095303;ENSG00000102882;ENSG00000112062;ENSG00000121879;ENSG00000142208;ENSG00000164867;ENSG00000169313;ENSG00000171608;ENSG00000185386;ENSG00000186298 |
| Human Diseases | Epithelial cell signaling in Helicobacter pylori infection | 9 | 78 | 30393 | 0.008 | 1.97E-02 | ko05120 | | ENSG00000105976;ENSG00000109339;ENSG00000112062;ENSG00000146648;ENSG00000151694;ENSG00000164305;ENSG00000179295;ENSG00000180871;ENSG00000185386 |
| Human Diseases | Pertussis | 10 | 92 | 392901 | 0.008 | 1.97E-02 | ko05133 | | ENSG00000007171;ENSG00000102882;ENSG00000109339;ENSG00000112062;ENSG00000125538;ENSG00000137752;ENSG00000164305;ENSG00000165806;ENSG00000185386;ENSG00000232810 |
| Human Diseases | Antifolate resistance | 6 | 40 | 565226 | 0.008 | 2.00E-02 | ko01523 | | ENSG00000103222;ENSG00000118777;ENSG00000125538;ENSG00000137563;ENSG00000176890;ENSG00000232810 |

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| | Longevity | | | | | | | | |
| Organismal Systems | regulating pathway - multiple species | 9 | 79 | 0.00900962 | 2.08E-02 | ko04213 | ENSG00000051382;ENSG00000108443;ENSG00000109971;ENSG00000116478;ENSG00000121879;ENSG00000142208;ENSG00000171105;ENSG00000171608;ENSG00000174775 | | |
| Organismal Systems | Osteoclast differentiation | 16 | 187 | 0.01050403 | 2.41E-02 | ko04380 | ENSG00000051382;ENSG00000102882;ENSG00000105397;ENSG00000106799;ENSG00000109339;ENSG00000112062;ENSG00000121879;ENSG00000125538;ENSG00000132170;ENSG00000142208;ENSG00000143387;ENSG00000162434;ENSG00000169032;ENSG00000171608;ENSG00000185386;ENSG00000232810;ENSG00000069535;ENSG00000094631;ENSG00000102882;ENSG00000112759;ENSG00000116478;ENSG00000128271;ENSG00000132155;ENSG00000142319;ENSG00000149295;ENSG00000157764;ENSG00000169032;ENSG00000170425;ENSG00000174775;ENSG00000184845;ENSG00000186298;ENSG00000189221;ENSG00000069667;ENSG00000141551;ENSG00000143365;ENSG00000213923;ENSG00000283900 | | |
| Human Diseases | Alcoholism | 16 | 189 | 0.0115596 | 2.63E-02 | ko05034 | ENSG00000069535;ENSG00000169032;ENSG00000170425;ENSG00000174775;ENSG00000184845;ENSG00000186298;ENSG00000189221;ENSG00000069667;ENSG00000141551;ENSG00000143365;ENSG00000213923;ENSG00000283900 | | |
| Organismal Systems | Circadian rhythm | 5 | 31 | 0.01184911 | 2.67E-02 | ko04710 | ENSG00000069535;ENSG00000169032;ENSG00000170425;ENSG00000174775;ENSG00000184845;ENSG00000186298;ENSG00000189221;ENSG00000069667;ENSG00000141551;ENSG00000143365;ENSG00000213923;ENSG00000283900 | | |
| Metabolism | Drug metabolism - other enzymes | 9 | 84 | 0.01323939 | 2.96E-02 | ko00983 | ENSG00000005381;ENSG00000025708;ENSG00000158825;ENSG00000165704;ENSG00000167900;ENSG00000171234;ENSG00000172831;ENSG00000178035;ENSG00000198848 | | |
| Organismal Systems | GABAergic synapse | 10 | 99 | 0.01373807 | 3.05E-02 | ko04727 | ENSG00000011677;ENSG00000022355;ENSG00000113327;ENSG00000136928;ENSG00000145864;ENSG00000151834;ENSG00000154229;ENSG00000166206;ENSG00000186297;ENSG00000204681 | | |
| Organismal Systems | NOD-like receptor signaling pathway | 16 | 193 | 0.01392047 | 3.07E-02 | ko04621 | ENSG000000064012;ENSG00000080824;ENSG00000089041;ENSG00000102882;ENSG00000105397;ENSG00000105835;ENSG00000109339;ENSG00000112062;ENSG00000125538;ENSG00000137752;ENSG00000162434;ENSG00000163932;ENSG00000164733;ENSG00000171552;ENSG00000185386;ENSG00000232810 | | |
| Human | Small | 10 | 100 | 0.014 | 3.21E-02 | ko05222 | ENSG00000007171;ENSG00000051382;ENSG | | |

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| Diseases | cell lung cancer | | | 67225 | 2 | | 00000073756;ENSG00000121879;ENSG00000123374;ENSG00000135446;ENSG00000142208;ENSG00000164305;ENSG00000171552;ENSG00000171608 ENSG00000066027;ENSG00000071242;ENSG00000082175;ENSG00000102882;ENSG00000113575;ENSG00000123374;ENSG00000134057;ENSG00000158402;ENSG00000169032;ENSG00000169083;ENSG00000170312;ENSG00000186298 |
| Cellular Processes | Oocyte meiosis | 12 | 131 | 0.015 28157 | 3.31E-0 2 | ko04114 | ENSG00000064012;ENSG00000109339;ENSG00000164305;ENSG00000165806;ENSG00000171552 |
| Cellular Processes | Apoptosis - multiple species | 5 | 33 | 0.015 37754 | 3.31E-0 2 | ko04215 | ENSG00000064012;ENSG00000109339;ENSG00000164305;ENSG00000165806;ENSG00000171552 |
| Metabolism | Neomycin, kanamycin and gentamicin biosynthesis | 2 | 5 | 0.018 62291 | 3.98E-0 2 | ko00524 | ENSG000000156515;ENSG00000159399 |
| Organismal Systems | Bile secretion | 8 | 75 | 0.019 46942 | 4.13E-0 2 | ko04976 | ENSG00000001626;ENSG00000012504;ENSG00000085563;ENSG00000100170;ENSG00000104267;ENSG00000113161;ENSG00000118777;ENSG00000143819 |
| Human Diseases | Chemical carcinogenesis | 9 | 90 | 0.020 07761 | 4.23E-0 2 | ko05204 | ENSG00000073756;ENSG00000108602;ENSG00000117594;ENSG00000138061;ENSG00000143819;ENSG00000159228;ENSG00000163106;ENSG00000171234;ENSG00000175344 ENSG00000069667;ENSG00000080824;ENSG00000096968;ENSG00000102882;ENSG00000105397;ENSG00000105639;ENSG00000106799;ENSG00000109339;ENSG00000109471;ENSG00000112062;ENSG00000125538;ENSG00000143365;ENSG00000162434;ENSG00000168610;ENSG00000185386 |
| Organismal Systems | Th17 cell differentiation | 15 | 186 | 0.021 22267 | 4.43E-0 2 | ko04659 | ENSG000000051382;ENSG00000102882;ENSG00000106799;ENSG00000112062;ENSG00000113456;ENSG00000121879;ENSG00000123374;ENSG00000132155;ENSG00000133101;ENSG00000134057;ENSG00000135446;ENSG00000142208;ENSG00000145386;ENSG00000146674;ENSG00000149311;ENSG00000162889;E |
| Cellular Processes | Cellular senescence | 23 | 328 | 0.023 99554 | 4.98E-0 2 | ko04218 | ENSG00000123374;ENSG00000132155;ENSG00000133101;ENSG00000134057;ENSG00000135446;ENSG00000142208;ENSG00000145386;ENSG00000146674;ENSG00000149311;ENSG00000162889;E |

NSG00000164045;ENSG00000169032;ENSG0
0000170312;ENSG00000171608;ENSG000001
74775;ENSG00000185386;ENSG00000186298

Supplementary Table3

| name | Description | Betweenness Centrality | Closeness Centrality | Degree |
|-----------------------------------|-------------|------------------------|----------------------|--------|
| Inulobiose | comound | 0.00434041 | 0.31404959 | 3 |
| CREBBP | target | 0.0158264 | 0.37254902 | 2 |
| TYK2 | target | 0.010209 | 0.37254902 | 2 |
| JAK2 | target | 0.010209 | 0.37254902 | 2 |
| JAK3 | target | 0.010209 | 0.37254902 | 2 |
| JAK1 | target | 0.010209 | 0.37254902 | 2 |
| RORA | target | 0.010209 | 0.37254902 | 2 |
| MAPK3 | target | 0.09922822 | 0.46341463 | 3 |
| Eremopetasidione | comound | 0.20728131 | 0.41758242 | 10 |
| TGFBR1 | target | 0.02560455 | 0.33333333 | 2 |
| IL1B | target | 0.02560455 | 0.33333333 | 2 |
| Carvylpropionate | comound | 7.11E-04 | 0.25503356 | 2 |
| PRKCA | target | 0.06845798 | 0.38 | 3 |
| 3_O_Caffeoyl_1_O_methylquinicacid | comound | 0 | 0.27737226 | 1 |
| PIK3CA | target | 0.01453678 | 0.35185185 | 2 |
| MAPK11 | target | 0.0137547 | 0.35185185 | 2 |
| RAF1 | target | 0.01453678 | 0.35185185 | 2 |
| 2_Dodecylbenzenesu lfonicacid | comound | 0.07905023 | 0.36893204 | 6 |
| Sterol | comound | 0 | 0.28148148 | 1 |
| MAP2K1 | target | 0.02933351 | 0.36538462 | 2 |
| MAPK14 | target | 0.02320451 | 0.36538462 | 3 |
| RORC | target | 0.05132536 | 0.39583333 | 4 |
| STAT3 | target | 0.0138141 | 0.34545455 | 3 |
| HSP90AA1 | target | 0.0416347 | 0.37254902 | 4 |
| PerillosideC | comound | 0.05861554 | 0.38383838 | 6 |
| ESR1 | target | 0.09941723 | 0.3877551 | 4 |
| AKT1 | target | 0.0054147 | 0.32758621 | 2 |
| GSK3B | target | 0.0054147 | 0.32758621 | 2 |
| PIK3CD | target | 0.0054147 | 0.32758621 | 2 |
| PIK3CB | target | 0.0054147 | 0.32758621 | 2 |
| Moclobemide | comound | 0.01705615 | 0.2992126 | 5 |
| MAPK10 | target | 0.01486148 | 0.34545455 | 2 |
| HDAC1 | target | 0.0368812 | 0.37254902 | 3 |
| CorchoionosideB | comound | 0.03591825 | 0.35514019 | 4 |
| HRAS | target | 0.04179788 | 0.34545455 | 3 |
| IL2 | target | 0.05850047 | 0.36538462 | 4 |
| 5_Megastigmen_7_y | comound | 0.00759509 | 0.33628319 | 2 |

ne_3_9_diol3_glucos

| ide | | | | |
|---------|------|------------|------------|----|
| ko04659 | path | 0.38700415 | 0.48101266 | 15 |
| ko04919 | path | 0.36885721 | 0.4691358 | 13 |
