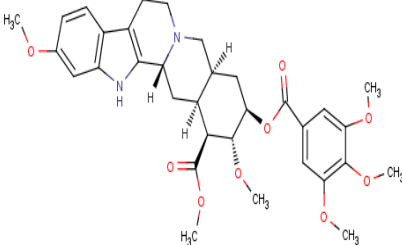
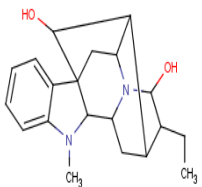
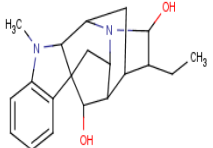
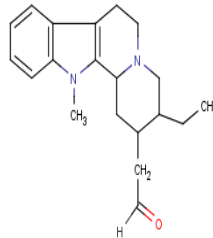
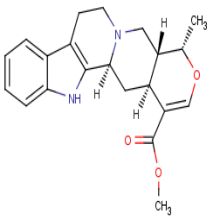
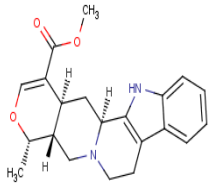
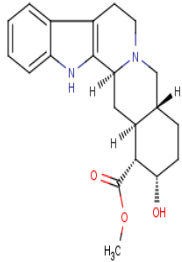
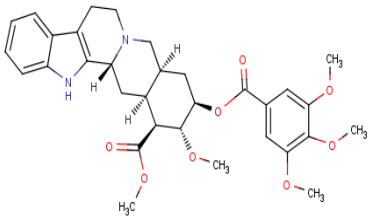
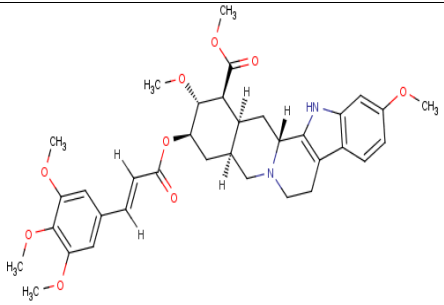
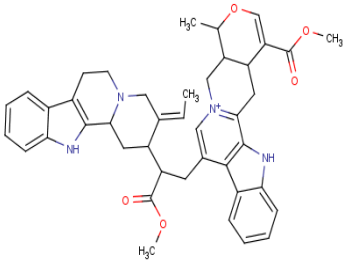
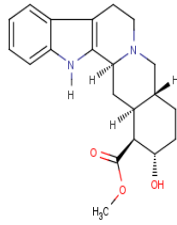


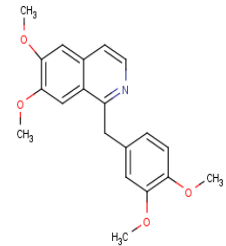
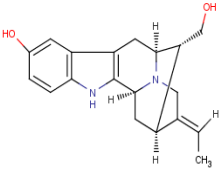
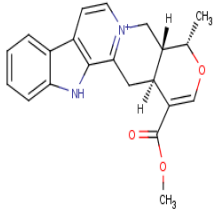
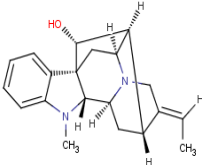
Table S1. A structured dataset of *R. serpentina* PDMs. This PDM dataset have 147 compounds and additional details including chemical name, plant part, IUPAC name and 2D structure.

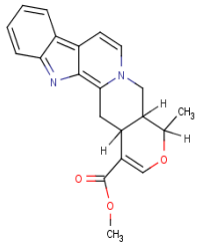
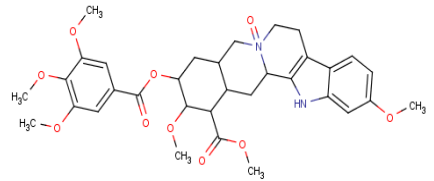
PDM_ID	PDM_NAME	PLANT PART	IUPAC	STRUCTURE
RASE0001 [1,3]	Reserpine	Stem, Leaves, Roots, Root bark	(1R,15S,17R,18R,19S,20S)-6,18-dimethoxy-17-(3,4,5-trimethoxybenzoyl)oxy-1,3,11,12,14,15,16,17,18,19,20,21-dodecahydrohimbans-19-carboxylate	 <p>The structure of Reserpine is a complex pentacyclic alkaloid. It features a central bicyclic core with a nitrogen atom. Attached to this core are a 6-methoxyphenyl group, a 17-(3,4,5-trimethoxybenzoyl)oxy group, and a 19-carboxylate group. The stereochemistry is defined as (1R,15S,17R,18R,19S,20S).</p>
RASE0002 [2,4,5]	Ajmaline	Stem, Leaves, Roots, Root bark	(1R,9R,10S,13R,14R,16S,18S)-13-ethyl-8-methyl-8,15-diazahexacyclo[14.2.1.0 ^{1,9} .0 ^{2,7} .0 ^{10,15} .0 ^{12,17}]nonadeca-2(7),3,5-triene-14,18-diol	 <p>The structure of Ajmaline is a complex hexacyclic alkaloid. It features a central bicyclic core with two nitrogen atoms. Attached to this core are an ethyl group, a methyl group, and two hydroxyl groups. The stereochemistry is defined as (1R,9R,10S,13R,14R,16S,18S).</p>

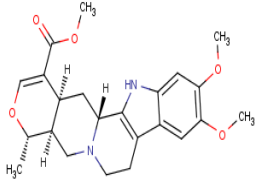
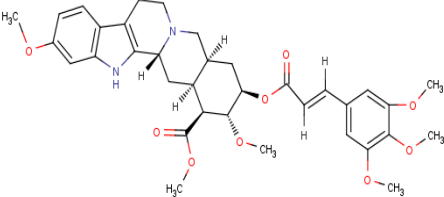
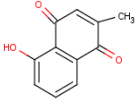
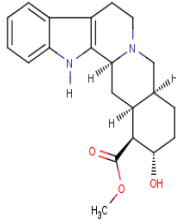
<p>RASE0003</p> <p>[6]</p>	<p>Isoajmaline</p>	<p>Stem, Leaves, Roots, Root bark</p>	<p>13-ethyl-8-methyl-8,15-diazahexacyclo[14.2.1.0^{1,9}.0^{2,7}.0^{10,15}.0^{12,17}]nonadeca-2(7),3,5-triene-14,18-diol</p>	 <p>The structure shows a complex polycyclic system with two nitrogen atoms. One nitrogen is substituted with a methyl group (H₃C) and the other with a phenyl ring. There are two hydroxyl groups (OH) and an ethyl group (CH₂CH₃) attached to the ring system.</p>
<p>RASE0004</p> <p>[6]</p>	<p>Neoajmaline</p>	<p>Stem, Leaves, Roots, Root bark</p>	<p>3-Ethyl-4,8-dihydroxy-13-methyl-5-propyl-1,3,4,7,8,13,13a,13b-octahydro-2H,6H-2,7-cyclo-6,8a-methano-pyrido[1',2':1,2]azepino[3,4-b]indol-5-ium</p>	 <p>The structure features a fused ring system including a pyridine ring, an indole ring, and a methanopyridine ring. It has a methyl group (CH₃) on the pyridine ring, a propyl group (CH₂CH₂CH₃) on the methanopyridine ring, and a hydroxyl group (OH) on the indole ring.</p>
<p>RASE0005</p> <p>[2,7]</p>	<p>Ajmalicine</p>	<p>Stem, Leaves, Roots, Root bark</p>	<p>(19α)-16,17-didehydro- 19-methyloxayohimban- 16-carboxylic acid methyl ester</p>	 <p>The structure is a complex polycyclic alkaloid with a methyloxayohimban core. It features a methyl group (CH₃) and a methyl ester group (COOCH₃) attached to the ring system.</p>

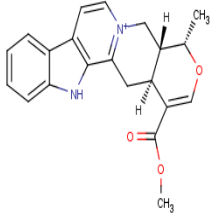
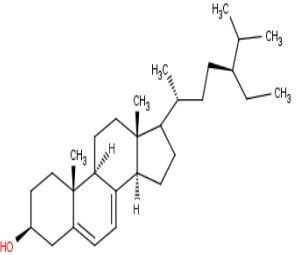
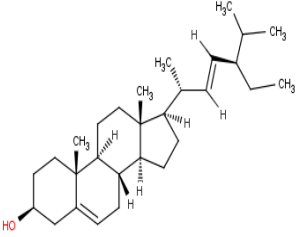
<p>RASE0006</p> <p>[6]</p>	<p>Raubasine</p>	<p>Stem, Leaves, Roots, Root bark</p>	<p>Methyl (1S,15R,16S,20S)-16-methyl-17-oxa-3,13-diazapentacyclo[11.8.0.0^{2,10}.0^{4,9}.0^{15,20}]]henicosa-2(10),4,6,8,18-pentaene-19-carboxylate</p>	
<p>RASE0007</p> <p>[7]</p>	<p>Yohimbine</p>	<p>Stem, Leaves, Roots, Root bark</p>	<p>(1S,15R,18S,19R,20S)-18-hydroxy-1,3,11,12,14,15,16,17,18,19,20,21-dodecahydroyohimban-19-carboxylate</p>	
<p>RASE0008</p> <p>[3]</p>	<p>Deserpidine</p>	<p>Stem, Leaves, Roots, Root bark</p>	<p>Methyl (1R,15S,17R,18R,19S,20S)-18-methoxy-17-(3,4,5-trimethoxybenzoyloxy)-3,13-diazapentacyclo[11.8.0.0^{2,10}.0^{4,9}.0^{15,20}]]henicosa-2(10),4,6,8-tetraene-19-carboxylate</p>	

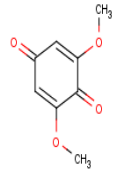
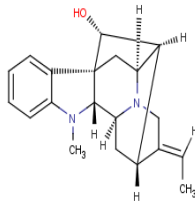
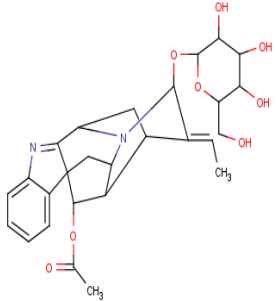
<p>RASE0009</p> <p>[6,7]</p>	<p>Rescinnamine</p>	<p>Stem, Leaves, Roots, Root bark</p>	<p>Methyl (1R,15S,17R,18R,19S,20S)-6,18-dimethoxy-17-[(2E)-3-(3,4,5-trimethoxyphenyl)prop-2-enoyl]oxy}-3,13-diazapentacyclo[11.8.0.0^{2,10}.0^{4,9}.0^{15,20}]]henicosa-2(10),4(9),5,7-tetraene-19-carboxylate</p>	
<p>RASE0010</p> <p>[6]</p>	<p>Serpentinine</p>	<p>Stem, Leaves, Roots, Root bark</p>	<p>11-{2-[(3Z)-3-ethylidene-1H,2H,3H,4H,6H,7H,12H,12bH-indolo[2,3-a]quinolizin-2-yl]-3-methoxy-3-oxopropyl}-19-(methoxycarbonyl)-16-methyl-17-oxa-3,13-diazapentacyclo[11.8.0.0^{2,10}.0^{4,9}.0^{15,20}]]henicosa-1(13),2(10),4,6,8,11,18-heptaen-13-ylum</p>	
<p>RASE0011</p> <p>[8]</p>	<p>Corynanthine</p>	<p>Stem, Leaves, Roots, Root bark</p>	<p>Methyl (1S,15R,18S,19S,20S)-18-hydroxy-3,13-diazapentacyclo[11.8.0.0^{2,10}.0^{4,9}.0^{15,20}]]henicosa-2(10),4,6,8-tetraene-19-carboxylate</p>	

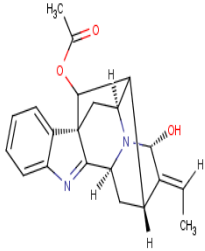
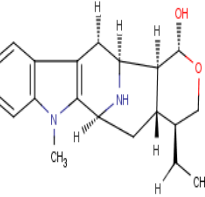
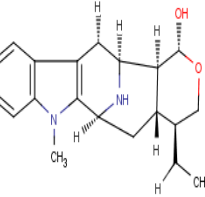
<p>RASE0012</p> <p>[8]</p>	<p>Papaverine</p>	<p>Stem, Leaves, Roots, Root bark</p>	<p>1-[(3,4-dimethoxyphenyl)methyl]-6,7-dimethoxyisoquinoline</p>	
<p>RASE0013</p> <p>[4]</p>	<p>Sarpagine</p>	<p>Stem, Leaves, Roots, Root bark</p>	<p>(1S,12S,13R,14S,15E)-15-ethylidene-13-(hydroxymethyl)-3,17-diazapentacyclo[12.3.1.0^{2,10}.0^{4,9}.0^{12,17}]octadeca-2(10),4(9),5,7-tetraen-7-ol</p>	
<p>RASE0014</p> <p>[9,10]</p>	<p>Serpentine</p>	<p>Stem, Leaves, Roots, Root bark</p>	<p>(15R,16S,20S)-19-(methoxycarbonyl)-16-methyl-17-oxa-3,13¹{5}-diazapentacyclo[11.8.0.0^{2,10}.0^{4,9}.0^{15,20}]heneicosa-1(13),2(10),4,6,8,11,18-heptaen-13-ylum</p>	
<p>RASE0015</p> <p>[8]</p>	<p>Serpinine</p>	<p>Stem, Leaves, Roots, Root bark</p>	<p>(1R,9R,10S,12R,13E,16S,17R,18R)-13-ethylidene-8-methyl-8,15-diazahexacyclo[14.2.1.0^{1,9}.0^{2,7}.0^{10,15}.0^{12,17}]nonadeca-2,4,6-trien-18-ol</p>	

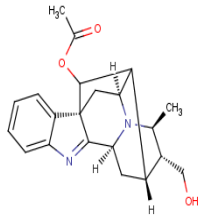
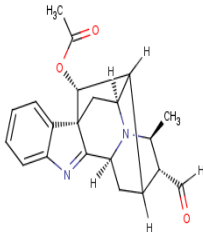
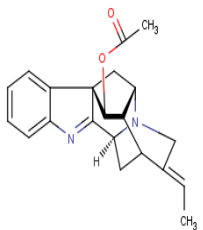
RASE0016 [6]	Alstonine	Roots	(15S,16S,20S)-19-(methoxycarbonyl)-16-methyl-17-oxa-3,13 ¹ {5}-diazapentacyclo[11.8.0.0 ² {2,10}.0 ⁴ {4,9}.0 ¹⁵ {15,20}]henicosa-1(13),2(10),4(9),5,7,11,18-heptaen-13-ylum-3-ide	 The chemical structure of Alstonine is a complex polycyclic alkaloid. It features a central diazapyrene-like core with a fused benzene ring and a nitrogen atom. The structure is highly substituted, including a methoxycarbonyl group (-COOCH3) and a methyl group (-CH3) on the heptaene chain. Stereochemistry is indicated with wedges and dashes.
RASE0017 [8]	Ajmalinine	Stem, Leaves, Roots, Root bark	US	
RASE0018 [8,11]	Chandrine	Stem, Leaves, Roots, Root bark	US	
RASE0019 [11]	Renoxidine	Roots	Methyl 6,18-dimethoxy-13-oxo-17-(3,4,5-trimethoxybenzoyloxy)-3,13 ¹ {5}-diazapentacyclo[11.8.0.0 ² {2,10}.0 ⁴ {4,9}.0 ¹⁵ {15,20}]henicosa-2(10),4,6,8-tetraene-19-carboxylate	 The chemical structure of Renoxidine is a complex polycyclic alkaloid. It features a central diazapyrene-like core with a fused benzene ring and a nitrogen atom. The structure is highly substituted, including a methyl 6,18-dimethoxy-13-oxo-17-(3,4,5-trimethoxybenzoyloxy) group and a methyl group (-CH3) on the tetraene chain. Stereochemistry is indicated with wedges and dashes.

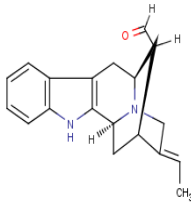
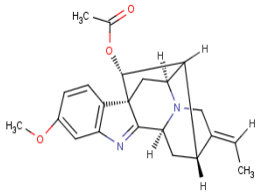
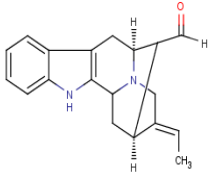
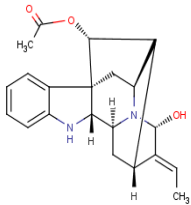
<p>RASE0020</p> <p>[11]</p>	<p>Reserpiline</p>	<p>Stem, Leaves, Roots, Root bark</p>	<p>Methyl (1R,15S,16S,20S)-6,7-dimethoxy-16-methyl-17-oxa-3,13-diazapentacyclo[11.8.0.0^{2,10}.0^{4,9}.0^{15,20}]]henicosa-2(10),4,6,8,18-pentaene-19-carboxylate</p>	
<p>RASE0021</p> <p>[11,12]</p>	<p>Reserpinine</p>	<p>Stem, Leaves, Roots, Root bark</p>	<p>Methyl(1R,15S,17R,18R,19S,20S)-6,18-dimethoxy-17-[(E)-3-(3,4,5-trimethoxyphenyl)prop-2-enoyl]oxy-1,3,11,12,14,15,16,17,18,19,20,21-dodecahydrohimban-19-carboxylate</p>	
<p>RASE0022</p> <p>[11]</p>	<p>Ophioxilin</p>	<p>Roots</p>	<p>5-hydroxy-2-methyl-1,4-dihydronaphthalene-1,4-dione</p>	
<p>RASE0023</p> <p>[13]</p>	<p>Rauwolscine</p>	<p>Roots</p>	<p>Methyl (1S,15S,18S,19S,20S)-18-hydroxy-3,13-diazapentacyclo[11.8.0.0^{2,10}.0^{4,9}.0^{15,20}]]henicosa-2(10),4,6,8-tetraene-19-carboxylate</p>	

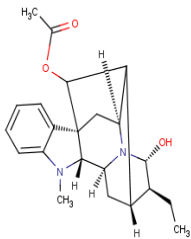
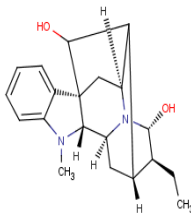
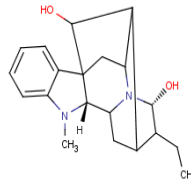
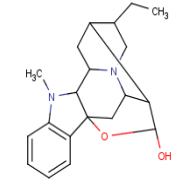
<p>RASE0024</p> <p>[8]</p>	<p>Thebaine</p>	<p>Roots</p>	<p>(1S,5R,13R)-10,14-dimethoxy-4,5-dimethyl-12-oxa-4-azapentacyclo[9.6.1.0^{1,13}.0^{5,17}.0^{7,18}]octadeca-7(18),8,10,14,16-pentaene</p>	 <p>The chemical structure of Thebaine is a complex pentacyclic alkaloid. It features a benzene ring fused to a five-membered ring containing a nitrogen atom. This is further fused to a six-membered ring with a carbonyl group at the 12-position. Two methyl groups are attached to the 4 and 5 positions, and a methoxy group is attached to the 10-position. The stereochemistry is (1S,5R,13R).</p>
<p>RASE0025</p> <p>[14]</p>	<p>7-Dehydrositosterol</p>	<p>Roots</p>	<p>(1S,2R,5S,11R,15R)-14-[(2R,5S)-5-ethyl-6-methylheptan-2-yl]-2,15-dimethyltetracyclo[8.7.0.0^{2,7}.0^{11,15}]heptadeca-7,9-dien-5-ol</p>	 <p>The chemical structure of 7-Dehydrositosterol is a steroid derivative. It has a four-ring steroid nucleus with a hydroxyl group at the 3-position and a double bond between C7 and C8. At the 14-position, there is a side chain consisting of a 2-ethyl-6-methylheptan-2-yl group. The stereochemistry is (1S,2R,5S,11R,15R).</p>
<p>RASE0026</p> <p>[15,16]</p>	<p>Stigmasterol</p>	<p>Leaves</p>	<p>(3S,8S,9S,10R,13R,14S,17R)-17-[(E,2R,5S)-5-ethyl-6-methylhept-3-en-2-yl]-10,13-dimethyl-2,3,4,7,8,9,11,12,14,15,16,17-dodecahydro-1H-cyclopenta[a]phenanthren-3-ol</p>	 <p>The chemical structure of Stigmasterol is a steroid derivative. It has a four-ring steroid nucleus with a hydroxyl group at the 3-position and a double bond between C5 and C6. At the 17-position, there is a side chain consisting of an (E)-5-ethyl-6-methylhept-3-en-2-yl group. The stereochemistry is (3S,8S,9S,10R,13R,14S,17R).</p>
<p>RASE0027</p> <p>[11]</p>	<p>Starch</p>	<p>Roots</p>	<p>US</p>	

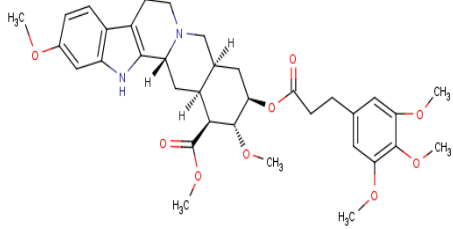
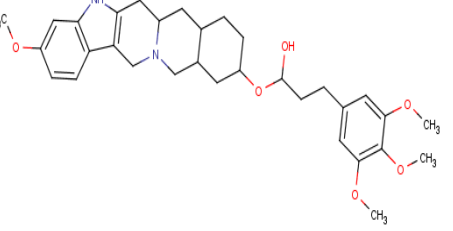
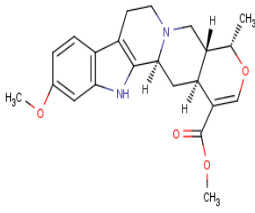
<p>RASE0028 [15,17]</p>	<p>2,6-Dimethoxybenzoquinone</p>	<p>Roots</p>	<p>2,6-dimethoxycyclohexa-2,5-diene-1,4-dione</p>	
<p>RASE0029 [8,12]</p>	<p>Tetraphyllicine</p>	<p>Leaves, Root Bark</p>	<p>(1R,9R,10S,12R,13E,16S,17R,18R)-13-ethylidene-8-methyl-8,15-diazahexacyclo[14.2.1.0^{1,9}.0^{2,7}.0^{10,15}.0^{12,17}]nonadeca-2,4,6-trien-18-ol</p>	
<p>RASE0030 [7,12,18,19]</p>	<p>Raucaffricine</p>	<p>Roots, Hybrid Cell Culture, Cell Suspension Culture</p>	<p>13-ethylidene-14-[[3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy]-8,15-diazahexacyclo[14.2.1.0^{1,9}.0^{2,7}.0^{10,15}.0^{12,17}]nonadeca-2,4,6,8-tetraen-18-yl acetate</p>	

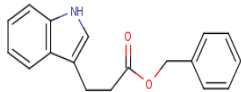
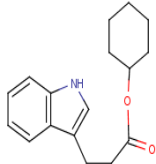
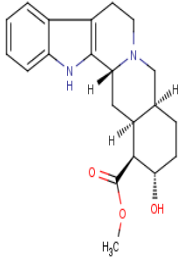
<p>RASE0031 [1,4,5,7,18]</p>	<p>Vomilenine</p>	<p>Root culture</p>	<p>(1R,10S,12R,13E,14R,16S)-13-ethylidene-14-hydroxy-8,15-diazahexacyclo[14.2.1.0^{1,9}.0^{2,7}.0^{10,15}.0^{12,17}]nonadeca-2,4,6,8-tetraen-18-yl acetate</p>	 <p>The structure shows a complex polycyclic system with a benzene ring fused to a diazacyclic system. It features a methyl group (CH₃) and a hydroxyl group (OH) on the polycyclic core, and an acetate group (H₃C-C(=O)-O-) attached to one of the nitrogen atoms.</p>
<p>RASE0032 [20]</p>	<p>10-Hydroxy-N(α)-demethyl-19,20-dehydroraumac line</p>	<p>Root culture</p>	<p>US</p>	 <p>The structure shows a complex polycyclic system with a benzene ring fused to a diazacyclic system. It features a methyl group (CH₃) and a hydroxyl group (OH) on the polycyclic core, and a methyl group (CH₃) attached to one of the nitrogen atoms.</p>
<p>RASE0033 [21,22]</p>	<p>Raumacline</p>	<p>Root culture</p>	<p>(1S,12S,13S,18S)-1,11,12,13,18-pentahydrogenio-17-(1-hydrogenioethyl)-3-methyl-15-oxa-3,20-diazapentacyclo[10.7.1.0^{2,10}.0^{4,9}.0^{13,18}]jicosa-2(10),4(9),5,7-tetraen-14-ol</p>	 <p>The structure shows a complex polycyclic system with a benzene ring fused to a diazacyclic system. It features a methyl group (CH₃) and a hydroxyl group (OH) on the polycyclic core, and a methyl group (CH₃) attached to one of the nitrogen atoms.</p>

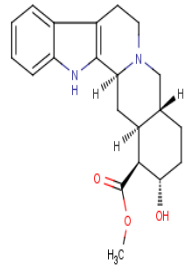
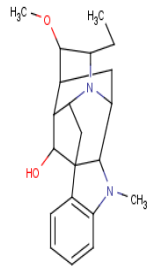
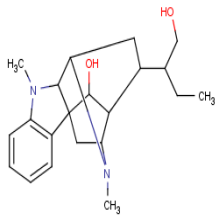
<p>RASE0034</p> <p>[4,5,23]</p>	<p>Raucaffrinoline</p>	<p>Cell culture</p>	<p>(1R,10S,12S,13R,14S,16S)-13-(hydroxymethyl)-14-methyl-8,15-diazahexacyclo[14.2.1.0^{1,9}.0^{2,7}.0^{10,15}.0^{12,17}]nonadeca-2,4,6,8-tetraen-18-yl acetate</p>	 <p>The structure shows a complex polycyclic system with a benzene ring fused to a diazacyclic core. It features a methyl group (CH₃) and a hydroxymethyl group (CH₂OH) on the ring system, and an acetate group (CH₃COO-) attached to the 13-position.</p>
<p>RASE0035</p> <p>[4,5,7,12,23]</p>	<p>Perakine</p>	<p>Hybrid Cell Culture</p>	<p>(1R,10S,13R,14S,16S,18R)-13-formyl-14-methyl-8,15-diazahexacyclo[14.2.1.0^{1,9}.0^{2,7}.0^{10,15}.0^{12,17}]nonadeca-2,4,6,8-tetraen-18-yl acetate</p>	 <p>The structure is similar to Raucaffrinoline but has a formyl group (CHO) instead of a hydroxymethyl group at the 13-position. It also has a methyl group (CH₃) and an acetate group (CH₃COO-) attached to the ring system.</p>
<p>RASE0036</p> <p>[4,5,18]</p>	<p>Vinorine</p>	<p>Cell culture</p>	<p>(1R,10S,16S)-13-ethylidene-8,15-diazahexacyclo[14.2.1.0^{1,9}.0^{2,7}.0^{10,15}.0^{12,17}]nonadeca-2,4,6,8-tetraen-18-yl acetate</p>	 <p>The structure features a complex polycyclic system with a benzene ring fused to a diazacyclic core. It has an ethylidene group (=CHCH₂) and an acetate group (CH₃COO-) attached to the ring system.</p>

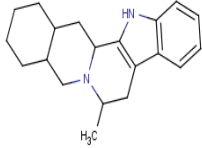
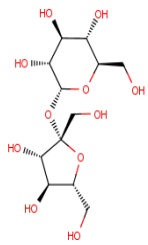
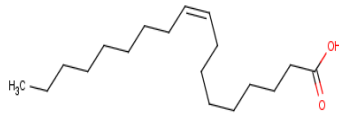
<p>RASE0037 [5,24]</p>	<p>16-epi-vellosimine</p>	<p>Cell culture</p>	<p>(1S,12S,14S)-15-ethylidene-3,17-diazapentacyclo[12.3.1.0^{2,10}.0^{4,9}.0^{12,17}]octadeca-2(10),4(9),5,7-tetraene-13-carbaldehyde</p>	 <p>The structure shows a complex polycyclic system with a benzene ring fused to a five-membered ring containing two nitrogen atoms. A side chain includes a double bond with an ethylidene group and a terminal aldehyde group.</p>
<p>RASE0038 [25]</p>	<p>11-Methoxyvinorine</p>	<p>Cell culture</p>	<p>(1R,10S,12R,13E,16S,18R)-13-ethylidene-5-methoxy-8,15-diazahexacyclo[14.2.1.0^{1,9}.0^{2,7}.0^{10,15}.0^{12,17}]nonadeca-2(7),3,5,8-tetraen-18-yl acetate</p>	 <p>The structure features a complex polycyclic core with a benzene ring. It has a side chain with a double bond, an ethylidene group, and an acetate group. A methoxy group is attached to the benzene ring.</p>
<p>RASE0039 [4]</p>	<p>Vellosimine</p>	<p>Cell culture</p>	<p>(12S,14S,15E)-15-ethylidene-3,17-diazapentacyclo[12.3.1.0^{2,10}.0^{4,9}.0^{12,17}]octadeca-2(10),4,6,8-tetraene-13-carbaldehyde</p>	 <p>The structure is similar to 16-epi-vellosimine but with a different stereochemistry at the bridgehead positions, resulting in a different side chain configuration.</p>
<p>RASE0040 [5]</p>	<p>1,2-dihydrovomilnine</p>	<p>Cell culture</p>	<p>(1R,9R,10S,12R,13E,14R,16S,18R)-13-ethylidene-14-hydroxy-8,15-diazahexacyclo[14.2.1.0^{1,9}.0^{2,7}.0^{10,15}.0^{12,17}]nonadeca-2,4,6-trien-18-yl acetate</p>	 <p>The structure is a complex polycyclic system with a benzene ring. It features a side chain with a double bond, an ethylidene group, and an acetate group. A hydroxyl group is attached to the polycyclic core.</p>

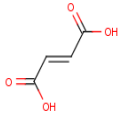
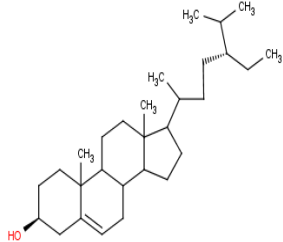
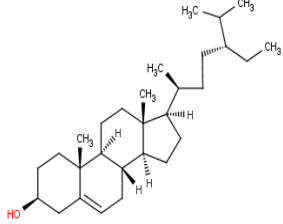
<p>RASE0041 [5,7]</p>	<p>17-O-Acetyl-norajmaline</p>	<p>Cell culture</p>	<p>(1R,9R,10S,12R,13S,14R,16S)-13-ethyl-14-hydroxy-8-methyl-8,15-diazahexacyclo[14.2.1.0^{1,9}.0^{2,7}.0^{10,15}.0^{12,17}]nonadeca-2,4,6-trien-18-yl acetate</p>	 <p>The structure shows a complex polycyclic alkaloid core with a benzene ring fused to a six-membered ring containing a nitrogen atom. A methyl group is attached to the nitrogen. The core is further fused to a bicyclic system. A hydroxyl group is attached to the bicyclic system, and an acetyl group is attached to the oxygen atom of the bicyclic system. A methyl group is also attached to the bicyclic system.</p>
<p>RASE0042 [4,5,12]</p>	<p>Norajmaline</p>	<p>Hybrid Cell Culture</p>	<p>(1R,9R,10S,12R,13S,14R,16S)-13-ethyl-8-methyl-8,15-diazahexacyclo[14.2.1.0^{1,9}.0^{2,7}.0^{10,15}.0^{12,17}]nonadeca-2,4,6-triene-14,18-diol</p>	 <p>The structure shows a complex polycyclic alkaloid core with a benzene ring fused to a six-membered ring containing a nitrogen atom. A methyl group is attached to the nitrogen. The core is further fused to a bicyclic system. Two hydroxyl groups are attached to the bicyclic system, and a methyl group is also attached to the bicyclic system.</p>
<p>RASE0043 [26]</p>	<p>Rauwolfine</p>	<p>Stem, Leaves, Roots, Root bark</p>	<p>(9R,14R)-13-ethyl-8-methyl-8,15-diazahexacyclo[14.2.1.0^{1,9}.0^{2,7}.0^{10,15}.0^{12,17}]nonadeca-2,4,6-triene-14,18-diol</p>	 <p>The structure shows a complex polycyclic alkaloid core with a benzene ring fused to a six-membered ring containing a nitrogen atom. A methyl group is attached to the nitrogen. The core is further fused to a bicyclic system. Two hydroxyl groups are attached to the bicyclic system, and a methyl group is also attached to the bicyclic system.</p>
<p>RASE0044 [6,8]</p>	<p>Rauwolfinine</p>	<p>Root Bark</p>	<p>13-ethyl-8-methyl-19-oxa-8,15-diazahexacyclo[14.3.1.0^{1,9}.0^{2,7}.0^{10,15}.0^{12,17}]icosa-2(7),3,5-trien-18-ol</p>	 <p>The structure shows a complex polycyclic alkaloid core with a benzene ring fused to a six-membered ring containing a nitrogen atom. A methyl group is attached to the nitrogen. The core is further fused to a bicyclic system. A hydroxyl group is attached to the bicyclic system, and a methyl group is also attached to the bicyclic system.</p>

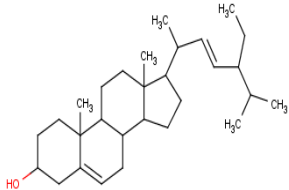
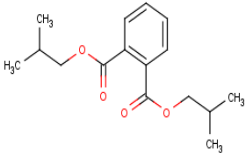
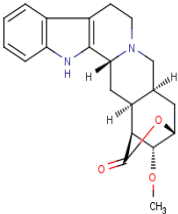
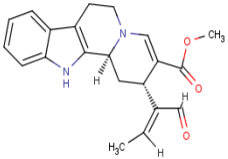
<p>RASE0045 [27]</p>	<p>Rescinnamide</p>	<p>Roots</p>	<p>Methyl (1R,15S,17R,18R,19S,20S)-6,18-dimethoxy-17-([3-(3,4,5-trimethoxyphenyl)propanoyl]oxy)-3,13-diazapentacyclo[11.8.0.0^{2,10}.0^{4,9}.0^{15,20}]henicosa-2(10),4(9),5,7-tetraene-19-carboxylate</p>	
<p>RASE0046 [27]</p>	<p>Rescinnaminol</p>	<p>Roots</p>	<p>1-((7-methoxy-1,10-diazapentacyclo[11.8.0.0^{3,11}.0^{4,9}.0^{15,20}]henicosa-3(11),4(9),5,7-tetraen-18-yl)oxy)-3-(3,4,5-trimethoxyphenyl)propan-1-ol</p>	
<p>RASE0047 [6]</p>	<p>Tetraphylline</p>	<p>Stem, Leaves, Roots, Root bark</p>	<p>Methyl (1S,15R,16S,20S)-6-methoxy-16-methyl-17-oxa-3,13-diazapentacyclo[11.8.0.0^{2,10}.0^{4,9}.0^{15,20}]henicosa-2(10),4(9),5,7,18-pentaene-19-carboxylate</p>	

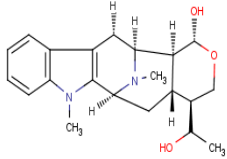
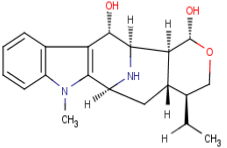
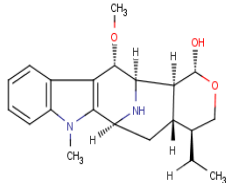
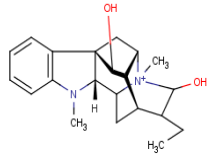
<p>RASE0048</p> <p>[27]</p>	<p>Indobine</p>	<p>Roots</p>	<p>Benzyl 3-(1H-indol-3-yl)propanoate</p>	 <p>The structure shows a benzene ring attached to a propanoate chain, which is further attached to the 3-position of an indole ring. The indole ring is highlighted in blue.</p>
<p>RASE0049</p> <p>[8]</p>	<p>Indobinine</p>	<p>Roots</p>	<p>Cyclohexyl 3-(1H-indol-3-yl)propanoate</p>	 <p>The structure shows a cyclohexane ring attached to a propanoate chain, which is further attached to the 3-position of an indole ring. The indole ring is highlighted in blue.</p>
<p>RASE0050</p> <p>[8,12]</p>	<p>Isorauhimbine</p>	<p>Stem, Leaves, Roots, Root bark</p>	<p>Methyl (1R,15S,18S,19S,20S)-18-hydroxy-3,13-diazapentacyclo[11.8.0.0^{2,10}.0^{4,9}.0^{15,20}]henicosa-2(10),4,6,8-tetraene-19-carboxylate</p>	 <p>The structure is a complex polycyclic system with two nitrogen atoms in a bridgehead position. It features a methyl group, a hydroxyl group, and a carboxylate group. Stereochemistry is indicated with wedges and dashes.</p>

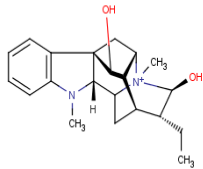
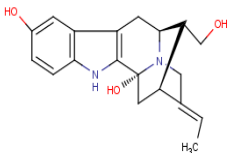
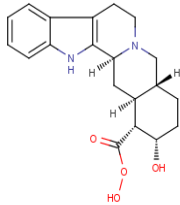
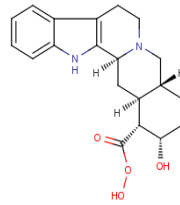
<p>RASE0051</p> <p>[16,17]</p>	<p>Rauhimbine</p>	<p>Stem, Leaves, Roots, Root bark</p>	<p>Methyl (1S,15R,18S,19S,20S)-18-hydroxy-3,13-diazapentacyclo[11.8.0.0^{2,10}.0^{4,9}.0^{15,20}]]henicosa-2(10),4,6,8-tetraene-19-carboxylate</p>	
<p>RASE0052</p> <p>[8]</p>	<p>Sandwicolidine</p>	<p>Undried roots</p>	<p>14-ethyl-13-methoxy-8-methyl-8,15-diazahexacyclo[14.2.1.0^{1,9}.0^{2,7}.0^{10,15}.0^{12,17}]]nonadeca-2(7),3,5-trien-18-ol</p>	
<p>RASE0053</p> <p>[8]</p>	<p>Sandwicoline</p>	<p>Undried roots</p>	<p>14-(1-hydroxybutan-2-yl)-3,16-dimethyl-3,16-diazapentacyclo[10.3.1.1^{10,13}.0^{2,10}.0^{4,9}]]heptadeca-4(9),5,7-trien-17-ol</p>	

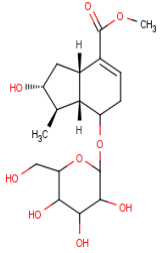
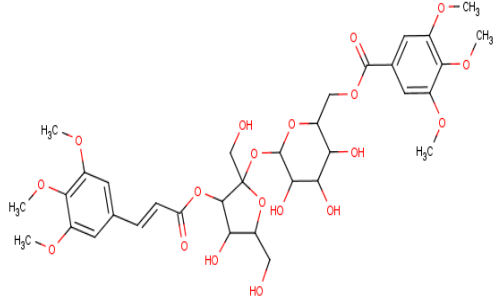
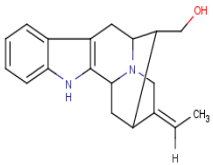
<p>RASE0054</p> <p>[8]</p>	<p>Yohambinine</p>	<p>Roots</p>	<p>12-methyl-3,13-diazapentacyclo[11.8.0.0^{2,10}.0^{4,9}.0^{15,20}]henicosa-2(10),4(9),5,7-tetraene</p>	
<p>RASE0055</p> <p>[28]</p>	<p>Sucrose</p>	<p>US</p>	<p>(2R,3R,4S,5S,6R)-2-[(2S,3S,4S,5R)-3,4-dihydroxy-2,5-bis(hydroxymethyl)oxolan-2-yl]oxy-6-(hydroxymethyl)oxane-3,4,5-triol</p>	
<p>RASE0056</p> <p>[29]</p>	<p>Oleic acid</p>	<p>US</p>	<p>(9Z)-octadec-9-enoic acid</p>	

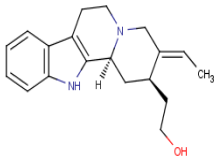
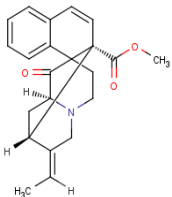
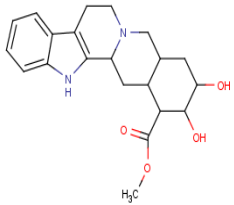
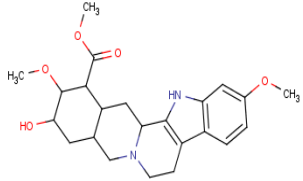
<p>RASE0057</p> <p>[29]</p>	<p>Fumaric acid</p>	<p>US</p>	<p>(2E)-but-2-enedioic acid</p>	
<p>RASE0058</p> <p>[29]</p>	<p>γ-Sitosterol</p>	<p>US</p>	<p>(3S)-17-[(5S)-5-ethyl-6-methylheptan-2-yl]-10,13-dimethyl-2,3,4,7,8,9,11,12,14,15,16,17-dodecahydro-1H-cyclopenta[a]phenanthren-3-ol (3S)-17-[(5S)-5-ethyl-6-methylheptan-2-yl]-10,13-dimethyl-2,3,4,7,8,9,11,12,14,15,16,17-dodecahydro-1H-cyclopenta[a]phenanthren-3-ol</p>	
<p>RASE0059</p> <p>[29]</p>	<p>β-Sitosterol</p>	<p>US</p>	<p>(3S,8S,9S,10R,13R,14S,17R)-17-[(2S,5S)-5-ethyl-6-methylheptan-2-yl]-10,13-dimethyl-2,3,4,7,8,9,11,12,14,15,16,17-dodecahydro-1H-cyclopenta[a]phenanthren-3-ol</p>	

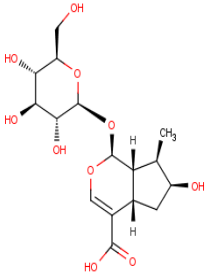
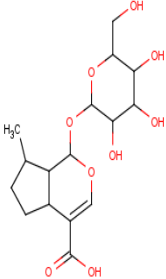
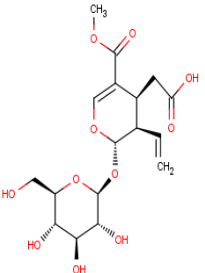
<p>RASE0060</p> <p>[30]</p>	<p>Serposterol</p>	<p>US</p>	<p>14-[(3E)-5-ethyl-6-methylhept-3-en-2-yl]-2,15-dimethyltetracyclo[8.7.0.0^{2,7}.0^{11,15}]heptadec-7-en-5-ol</p>	
<p>RASE0061</p> <p>[28]</p>	<p>Diisobutyl phthalate</p>	<p>Roots</p>	<p>1,2-bis(2-methylpropyl) benzene-1,2-dicarboxylate</p>	
<p>RASE0062</p> <p>[3]</p>	<p>Deserpodic acid lactone</p>	<p>Dried roots</p>	<p>(1S,2S,4R,18S,20R,23R)-23-methoxy-21-oxa-6,16-diazahexacyclo[18.2.1.0^{2,18}.0^{4,16}.0^{5,13}.0^{7,12}]tricoso-5(13),7(12),8,10-tetraen-22-one</p>	
<p>RASE0063</p> <p>[4]</p>	<p>Vallesiachotamine</p>	<p>Hairy Root Culture</p>	<p>Methyl(2S,12bS)-2-[(E)-1-oxobut-2-en-2-yl]-1,2,6,7,12,12b-hexahydroindolo[2,3-a]quinolizine-3-carboxylate</p>	

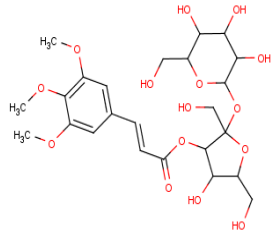
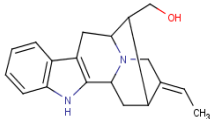
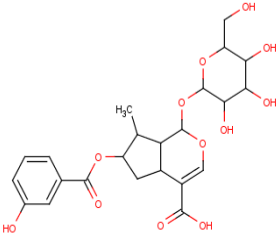
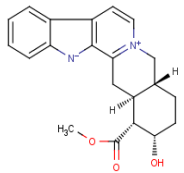
RASE0064 [22]	19-Hydroxy-N β -methytraumacline	Cell Suspension Culture	(1S,12S,13S,14R,17S,18S)-17-(1-hydroxyethyl)-3,20-dimethyl-15-oxa-3,20-diazapentacyclo[10.7.1.0 ^{2,10} .0 ^{4,9} .0 ^{13,18}]]icosa-2(10),4(9),5,7-tetraen-14-ol	
RASE0065 [22]	6 α -Hydroxytraumacline	Cell Suspension Culture	(1S,11S,12R,13S,14R,17S,18S)-17-ethyl-3-methyl-15-oxa-3,20-diazapentacyclo[10.7.1.0 ^{2,10} .0 ^{4,9} .0 ^{13,18}]]icosa-2(10),4(9),5,7-tetraene-11,14-diol	
RASE0066 [22]	6 α -Methoxytraumacline	Cell Suspension Culture	(1S,11S,12R,13S,14R,17S,18S)-17-ethyl-11-methoxy-3-methyl-15-oxa-3,20-diazapentacyclo[10.7.1.0 ^{2,10} .0 ^{4,9} .0 ^{13,18}]]icosa-2(10),4(9),5,7-tetraen-14-ol	
RASE0067 [12]	N(b)-Methylajmaline	Dried roots	(1R,9R,12S,16S)-13-ethyl-14,18-dihydroxy-8,15-dimethyl-8,15-diazahexacyclo[14.2.1.0 ^{1,9} .0 ^{2,7} .0 ^{10,15} .0 ^{12,17}]]nonadeca-2(7),3,5-trien-15-ium	

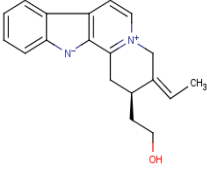
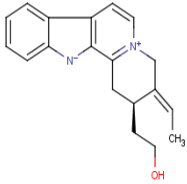
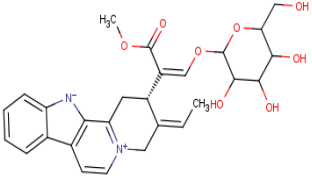
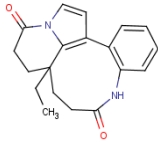
RASE0068 [12]	N(b)- Methylisoajmal ine	Dried roots	(1R,9R,12S,13R,14S,16S)-13-ethyl-14,18-dihydroxy-8,15-dimethyl-8,15-diazahexacyclo[14.2.1.0 ^{1,9} .0 ^{2,7} .0 ^{10,15} .0 ^{12,17}]nonadeca-2(7),3,5-trien-15-ium	
RASE0069 [12]	3- Hydroxysarpag ine	Dried roots	(1R,12S,14S)-15-ethylidene-13-(hydroxymethyl)-3,17-diazapentacyclo[12.3.1.0 ^{2,10} .0 ^{4,9} .0 ^{12,17}]octadeca-2(10),4(9),5,7-tetraene-1,7-diol	
RASE0070 [12]	Yohimbinic acid	Dried roots	(1S,15R,18S,19R,20S)-18-hydroxy-3,13-diazapentacyclo[11.8.0.0 ^{2,10} .0 ^{4,9} .0 ^{15,20}]heneicosa-2(10),4,6,8-tetraene-19-carboperoxoic acid	
RASE0071 [12]	Isorauhimbic acid	Dried roots	(1S,15R,18S,19R,20S)-18-hydroxy-3,13-diazapentacyclo[11.8.0.0 ^{2,10} .0 ^{4,9} .0 ^{15,20}]heneicosa-2(10),4,6,8-tetraene-19-carboperoxoic acid	

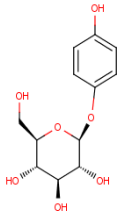
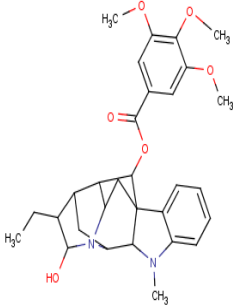
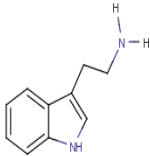
<p>RASE0072</p> <p>[12]</p>	<p>7-Epiloganin</p>	<p>Dried roots</p>	<p>Methyl (1R,2R,3aS,7aS)-2-hydroxy-1-methyl-7-{{3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl}oxy}-2,3,3a,6,7,7a-hexahydro-1H-indene-4-carboxylate</p>	
<p>RASE0073</p> <p>[12]</p>	<p>6'-O-(3,4,5-trimethoxybenzoyl)glomeratose A</p>	<p>Dried roots</p>	<p>(3,4,5-trihydroxy-6-{{4-hydroxy-2,5-bis(hydroxymethyl)-3-{{(2E)-3-(3,4,5-trimethoxyphenyl)prop-2-enoyl}oxy}oxolan-2-yl}oxy}oxan-2-yl)methyl 3,4,5-trimethoxybenzoate</p>	
<p>RASE00074</p> <p>[12]</p>	<p>Normacusine B</p>	<p>Dried roots</p>	<p>[(15Z)-15-ethylidene-3,17-diazapentacyclo[12.3.1.0^{2,10}.0^{4,9}.0^{12,17}]}octadeca-2(10),4,6,8-tetraen-13-yl]methanol</p>	

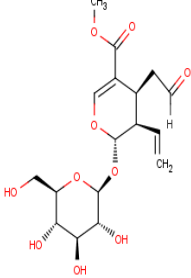
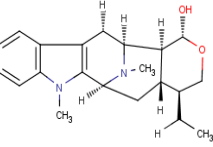
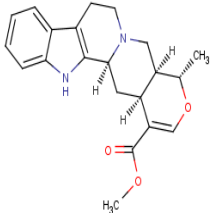
<p>RASE0075 [12]</p>	<p>Geissoschizol</p>	<p>Dried roots</p>	<p>2-[(2S,4R,5E)-5-ethylidene-7,17-diazatetracyclo[8.7.0.0^{2,7}.0^{11,16}]]heptadeca-1(10),11(16),12,14-tetraen-4-yl]ethan-1-ol</p>	
<p>RASE0076 [12]</p>	<p>Rhazimanine</p>	<p>Dried roots</p>	<p>Methyl (11S,12E,18S)-12-ethylidene-17-oxo-14-azapentacyclo[9.5.3.0^{1,10}.0^{2,7}.0^{14,18}]]nonadeca-2,4,6,8-tetraene-10-carboxylate</p>	
<p>RASE0077 [12]</p>	<p>18-Hydroxyepialloyohimbine</p>	<p>Dried roots</p>	<p>Methyl 17,18-dihydroxy-3,13-diazapentacyclo[11.8.0.0^{2,10}.0^{4,9}.0^{15,20}]]hencosa-2(10),4,6,8-tetraene-19-carboxylate</p>	
<p>RASE0078 [3,8,12]</p>	<p>Methyl reserpate</p>	<p>Dried roots</p>	<p>Methyl 17-hydroxy-6,18-dimethoxy-3,13-diazapentacyclo[11.8.0.0^{2,10}.0^{4,9}.0^{15,20}]]hencosa-2(10),4(9),5,7-tetraene-19-carboxylate</p>	

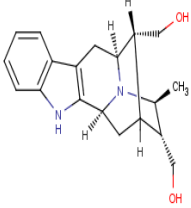
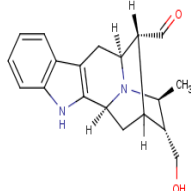
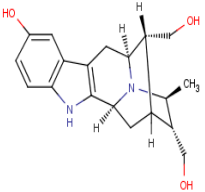
<p>RASE0079 [12]</p>	<p>Loganic acid</p>	<p>Dried roots</p>	<p>(1S,4aS,6S,7R,7aS)-6-hydroxy-7-methyl-1- {[(2S,3R,4S,5S,6R)-3,4,5-trihydroxy-6- (hydroxymethyl)oxan-2-yl]oxy}- 1H,4aH,5H,6H,7H,7aH-cyclopenta[c]pyran- 4-carboxylic acid</p>	
<p>RASE0080 [12]</p>	<p>7- Deoxyloganic acid</p>	<p>Dried roots</p>	<p>7-methyl-1-[[3,4,5-trihydroxy-6- (hydroxymethyl)oxan-2-yl]oxy]- 1H,4aH,5H,6H,7H,7aH-cyclopenta[c]pyran- 4-carboxylic acid</p>	
<p>RASE0081 [12]</p>	<p>Secoxyloganin</p>	<p>Dried roots</p>	<p>2-[(2S,3R,4S)-3-ethenyl-5- (methoxycarbonyl)-2-[[2-(2S,3R,4S,5S,6R)- 3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2- yl]oxy]-3,4-dihydro-2H-pyran-4-yl]acetic acid</p>	
<p>RASE0082 [12]</p>	<p>(+)- Isolariciresinol 3a-O-beta-D- glucopyranosid e</p>	<p>Dried roots</p>	<p>US</p>	

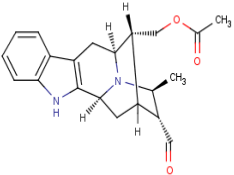
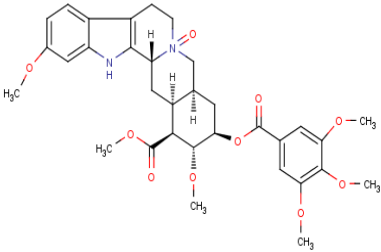
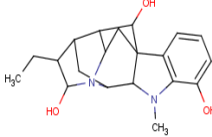
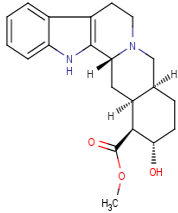
<p>RASE0083 [12]</p>	<p>Glomeratose A</p>	<p>Dried roots</p>	<p>4-hydroxy-2,5-bis(hydroxymethyl)-2- {[3,4,5-trihydroxy-6-(hydroxymethyl)oxan- 2-yl]oxy}oxolan-3-yl (2E)-3-(3,4,5- trimethoxyphenyl)prop-2-enoate</p>	
<p>RASE0084 [12]</p>	<p>16- Epinormacusin e B</p>	<p>Dried roots</p>	<p>[(15E)-15-ethylidene-3,17- diazapentacyclo[12.3.1.0^{2,10}.0^{4,9}.0^{12,17}] octadeca-2(10),4(9),5,7-tetraen-13- yl]methanol</p>	
<p>RASE0085 [12]</p>	<p>Swertiaside</p>	<p>Dried roots</p>	<p>6-(3-hydroxybenzoyloxy)-7-methyl-1- {[3,4,5-trihydroxy-6-(hydroxymethyl)oxan- 2-yl]oxy}-1H,4aH,5H,6H,7H,7aH- cyclopenta[c]pyran-4-carboxylic acid</p>	
<p>RASE0086 [9]</p>	<p>3,4,5,6- Tetrahydroy ohimbine</p>	<p>Roots</p>	<p>(15R,18S,19R,20S)-18-hydroxy-19- (methoxycarbonyl)-3,13¹₅- diazapentacyclo[11.8.0.0^{2,10}.0^{4,9}.0^{15,20}] heneicosa-1(13),2(10),4,6,8,11- hexaen-13-ylum-3-ide</p>	

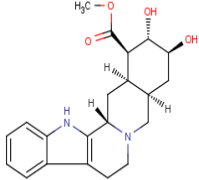
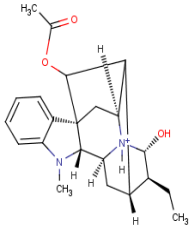
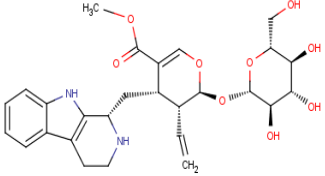
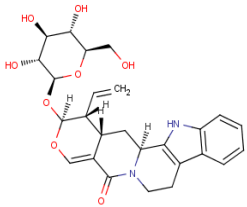
RASE0087 [9]	3,4,5,6-Tetrahydro-(Z)-geissoschizol	Roots	(2R,3Z)-3-ethylidene-2-(2-hydroxyethyl)-1H,2H,3H,4H,12H-5 ⁺ ,12-indolo[2,3-a]quinolizin-5-ylum-12-ide	
RASE0088 [9]	3,4,5,6-Tetrahydrogeissoschizol	Roots	(2R,3E)-3-ethylidene-2-(2-hydroxyethyl)-1H,2H,3H,4H,12H-5 ⁺ ,12-indolo[2,3-a]quinolizin-5-ylum-12-ide	
RASE0089 [9]	3,4,5,6-Tetrahydrogeissoschizine-17-O-b-d-glucopyranoside	Roots	(2S,3E)-3-ethylidene-2-[(1Z)-3-methoxy-3-oxo-1-[[3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy]prop-1-en-2-yl]-1H,2H,3H,4H,12H-5 ⁺ ,12-indolo[2,3-a]quinolizin-5-ylum-12-ide	
RASE0090 [7]	3-Oxo-rhazinilam	Hybrid Cell Culture	12-ethyl-8,16-diazatetracyclo[10.6.1.0 ^{2,7} .0 ^{16,19}]nonadeca-1(19),2(7),3,5,17-pentaene-9,15-dione	

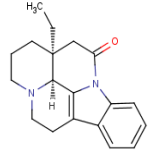
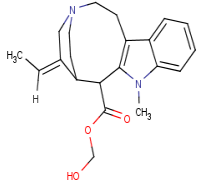
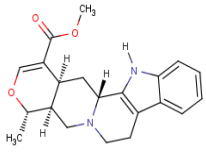
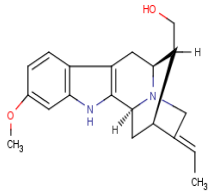
RASE0091 [31,32]	Arbutin	Cell Suspension Culture	(2R,3S,4S,5R,6S)-2-(hydroxymethyl)-6-(4-hydroxyphenoxy)oxane-3,4,5-triol	
RASE0092 [33]	Ajmalimine	Roots	13-ethyl-14-hydroxy-8-methyl-8,15-diazahexacyclo[14.2.1.0 ^{1,9} .0 ^{2,7} .0 ^{10,15} .0 ^{12,17}]nonadeca-2,4,6-trien-18-yl 3,4,5-trimethoxybenzoate	
RASE0093 [5,24]	Tryptamine	Cell culture	2-(1H-indol-3-yl)ethanamine	

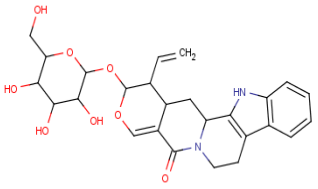
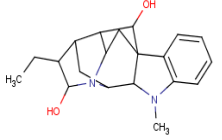
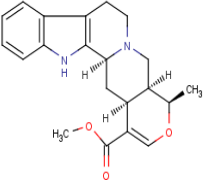
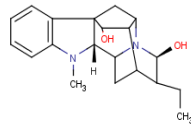
<p>RASE0094</p> <p>[5,24]</p>	<p>Secologanin</p>	<p>Cell culture</p>	<p>Methyl (2S,3R,4S)-3-ethenyl-4-(2-oxoethyl)-2-[[[(2S,3R,4S,5S,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy]-3,4-dihydro-2H-pyran-5-carboxylate</p>	
<p>RASE0095</p> <p>[22]</p>	<p>Nβ-Methylraumacline</p>	<p>Cell Suspension Culture</p>	<p>(1S,12S,13S,14R,17S,18S)-17-ethyl-3,20-dimethyl-15-oxa-3,20-diazapentacyclo[10.7.1.0^{2,10}.0^{4,9}.0^{13,18}]jicosa-2(10),4(9),5,7-tetraen-14-ol</p>	
<p>RASE0096</p> <p>[4,7]</p>	<p>Tetrahydroalstonine</p>	<p>Hairy Root culture</p>	<p>(19α)-16,17-didehydro- 19-methyloxayohimban- 16-carboxylic acid methyl ester</p>	

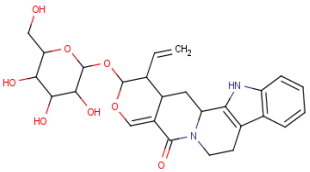
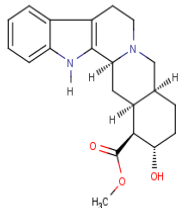
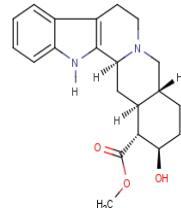
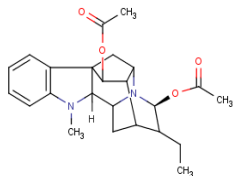
<p>RASE0097 [4,5,23]</p>	<p>19(S),20(R)- dihydroperaksi ne</p>	<p>Hairy Root culture</p>	<p>[(1S,12S,13R,15R,16S)-15- (hydroxymethyl)-16-methyl-3,17- diazapentacyclo[12.3.1.0^{2,10}.0^{4,9}.0^{12,17}] octadeca-2(10),4(9),5,7-tetraen-13- yl]methanol</p>	
<p>RASE0098 [4,5,23]</p>	<p>19(S),20(R)- dihydroperaksi ne-17-al</p>	<p>Hairy Root culture</p>	<p>(1S,12S,13R,15R,16S)-15-(hydroxymethyl)- 16-methyl-3,17- diazapentacyclo[12.3.1.0^{2,10}.0^{4,9}.0^{12,17}] octadeca-2(10),4(9),5,7-tetraene-13- carbaldehyde</p>	
<p>RASE0099 [4,5,23]</p>	<p>10-Hydroxy- 19(S),20(R)- dihydroperaksi ne</p>	<p>Hairy Root culture</p>	<p>(1S,12S,13R,15R,16S)-13,15- bis(hydroxymethyl)-16-methyl-3,17- diazapentacyclo[12.3.1.0^{2,10}.0^{4,9}.0^{12,17}] octadeca-2(10),4(9),5,7-tetraen-7-ol</p>	

<p>RASE0100 [23]</p>	<p>19(S),20(R)- (O)- Acetylpreperak ine</p>	<p>Hairy Root culture</p>	<p>[(1S,12S,13R,15R,16S)-15-formyl-16- methyl-3,17- diazapentacyclo[12.3.1.0^{2,10}.0^{4,9}.0^{12,17}]]octadeca-2(10),4(9),5,7-tetraen-13- yl]methyl acetate</p>	
<p>RASE0101 [11]</p>	<p>Reserpoxidine</p>	<p>Stem, Leaves, Roots, Root bark</p>	<p>Methyl (1R,15S,17R,18R,19S,20S)-6,18- dimethoxy-13-oxo-17-(3,4,5- trimethoxybenzoyloxy)-3,13-diazapentacyclo[11.8.0.0^{2,10}.0^{4,9}.0^{15,20}]]hencosa-2(10),4,6,8-tetraene-19- carboxylate</p>	
<p>RASE0102 [4]</p>	<p>12- Hydroxyajmali ne</p>	<p>Hairy Root culture</p>	<p>13-ethyl-8-methyl-8,15- diazahexacyclo[14.2.1.0^{1,9}.0^{2,7}.0^{10,15}.0^{12,17}]]nonadeca-2(7),3,5-triene- 6,14,18-triol</p>	
<p>RASE0103 [4,8,11]</p>	<p>3-Epi-alpha- yohimbine</p>	<p>Hairy Root culture</p>	<p>Methyl (1R,15S,18S,19S,20S)-18-hydroxy- 3,13- diazapentacyclo[11.8.0.0^{2,10}.0^{4,9}.0^{15,20}]]hencosa-2(10),4,6,8-tetraene-19- carboxylate</p>	

RASE0104 [4]	18-beta-hydroxy-3-epi-alpha-yohimbine	Hairy Root culture	Methyl (1S,15R,17S,18S,19R,20R)-17,18-dihydroxy-3,13-diazapentacyclo[11.8.0.0 ^{2,10} .0 ^{4,9} .0 ^{15,20}]]henicosa-2(10),4,6,8-tetraene-19-carboxylate	
RASE0105 [4,33]	17-O-acetyl-ajmaline	Hairy Root culture, Roots	(1R,9R,10S,12R,13S,14R,16S)-18-(acetyloxy)-13-ethyl-14-hydroxy-8-methyl-8,15-diazahexacyclo[14.2.1.0 ^{1,9} .0 ^{2,7} .0 ^{10,15} .0 ^{12,17}]]nonadeca-2,4,6-trien-15-ium	
RASE0106 [4,5,18]	Strictosidine	Hairy Root culture	Methyl(2S,3R,4S)-3-ethenyl-4-[[[(1S)-2,3,4,9-tetrahydro-1H-pyrido[3,4-b]indol-1-yl]methyl]-2-[(2S,3R,4S,5S,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy-3,4-dihydro-2H-pyran-5-carboxylate	
RASE0107 [4]	Strictosidine lactam	Hairy Root culture	19-ethenyl-18-[[[3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy]-17-oxa-3,13-diazapentacyclo[11.8.0.0 ^{2,10} .0 ^{4,9} .0 ^{15,20}]]henicosa-2(10),4(9),5,7,15-pentaen-14-one	

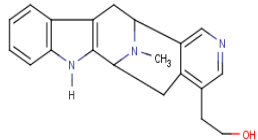
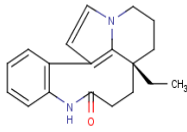
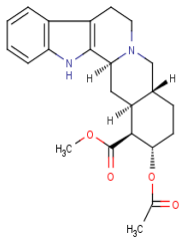
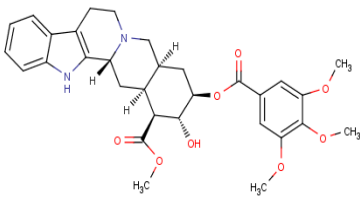
RASE0108 [7]	Eburnamonine	Cell culture	(15S,19S)-15-ethyl-1,11-diazapentacyclo[9.6.2.0 ^{2,7} .0 ^{8,18} .0 ^{15,19}]nonadeca-2,4,6,8(18)-tetraen-17-one	
RASE0109 [7]	Stemmadenine	Cell culture	Hydroxymethyl (16Z)-16-ethylidene-4-methyl-4,14-diazatetracyclo[12.2.2.0 ^{3,11} .0 ^{5,10}]octadeca-3(11),5,7,9-tetraene-2-carboxylate	
RASE0110 [7]	Akuammigine	Cell culture	Methyl (1R,15S,16S,20S)-16-methyl-17-oxa-3,13-diazapentacyclo[11.8.0.0 ^{2,10} .0 ^{4,9} .0 ^{15,20}]henicosa-2(10),4,6,8,18-pentaene-19-carboxylate	
RASE0111 [7]	Gardnerine	Cell culture	[(1S,15E)-15-ethylidene-6-methoxy-3,17-diazapentacyclo[12.3.1.0 ^{2,10} .0 ^{4,9} .0 ^{12,17}]octadeca-2(10),4(9),5,7-tetraen-13-yl]methanol	

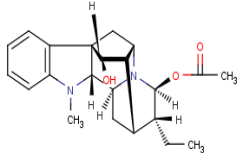
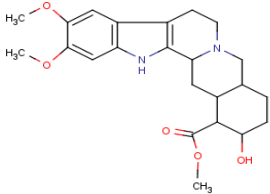
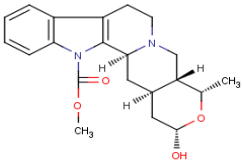
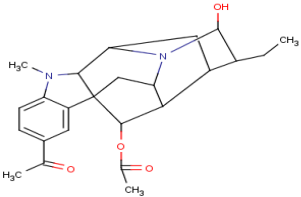
RASE0112 [7]	16- Epigardnerine	Cell culture	[(1S,12S,14S)-15-ethylidene-6-methoxy-3,17-diazapentacyclo[12.3.1.0 ^{2,10} .0 ^{4,9} .0 ^{12,17}]]octadeca-2(10),4(9),5,7-tetraen-13-yl]methanol	
RASE0113 [7]	Isosandwicine	Roots, Cell culture	13-ethyl-8-methyl-8,15-diazahexacyclo[14.2.1.0 ^{1,9} .0 ^{2,7} .0 ^{10,15} .0 ^{12,17}]]nonadeca-2(7),3,5-triene-14,18-diol	
RASE0114 [7]	Rauniticine	Cell culture	Methyl (1S,15S,16R,20S)-16-methyl-17-oxa-3,13-diazapentacyclo[11.8.0.0 ^{2,10} .0 ^{4,9} .0 ^{15,20}]]heneicosa-2(10),4,6,8,18-pentaene-19-carboxylate	
RASE0115 [7]	Sandwicine	Roots, Cell culture	(9R,14S)-13-ethyl-8-methyl-8,15-diazahexacyclo[14.2.1.0 ^{1,9} .0 ^{2,7} .0 ^{10,15} .0 ^{12,17}]]nonadeca-2(7),3,5-triene-14,18-diol	

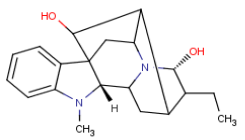
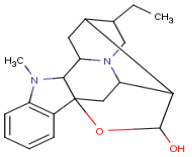
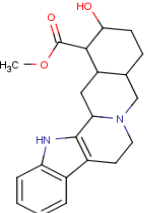
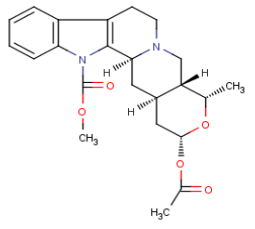
<p>RASE0116 [7]</p>	<p>Vincoside lactam</p>	<p>Cell culture</p>	<p>19-ethenyl-18-[[3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy]-17-oxa-3,13-diazapentacyclo[11.8.0.0^{2,10}.0^{4,9}.0^{15,20}]]henicosa-2(10),4(9),5,7,15-pentaen-14-one</p>	
<p>RASE0117 [7]</p>	<p>Alpha-yohimbine</p>	<p>Cell culture</p>	<p>Methyl (1S,15S,18S,19S,20S)-18-hydroxy-3,13-diazapentacyclo[11.8.0.0^{2,10}.0^{4,9}.0^{15,20}]]henicosa-2(10),4,6,8-tetraene-19-carboxylate</p>	
<p>RASE0118 [7]</p>	<p>Beta-yohimbine</p>	<p>Cell culture</p>	<p>Methyl (1S,15R,18R,19R,20S)-18-hydroxy-3,13-diazapentacyclo[11.8.0.0^{2,10}.0^{4,9}.0^{15,20}]]henicosa-2(10),4,6,8-tetraene-19-carboxylate</p>	
<p>RASE0119 [7]</p>	<p>17,21-O-Diacetyljmaline</p>	<p>Cell culture</p>	<p>(14S)-14-(acetyloxy)-13-ethyl-8-methyl-8,15-diazahexacyclo[14.2.1.0^{1,9}.0^{2,7}.0^{10,15}.0^{12,17}]]nonadeca-2(7),3,5-trien-18-yl acetate</p>	

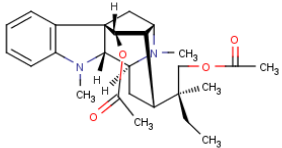
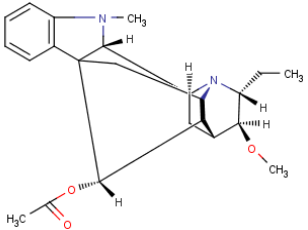
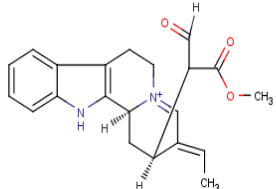
RASE0120 [7]	21-O-Acetylvomilene	Cell Culture	(10S,13E,14S)-14-(acetyloxy)-13-ethylidene-8,15-diazahexacyclo[14.2.1.0 ^{1,9} .0 ^{2,7} .0 ^{10,15} .0 ^{12,17}]nonadeca-2(7),3,5,8-tetraen-18-yl acetate	
RASE0121 [22]	21-hydroxyraumacoline	Cell Suspension Culture	(1S,12S,13S,14R,17S,18S)-17-ethyl-3-methyl-15-oxa-3,20-diazapentacyclo[10.7.1.0 ^{2,10} .0 ^{4,9} .0 ^{13,18}]icosa-2(10),4(9),5,7-tetraene-14,16-diol	
RASE0122 [34]	Tubotaiwine	Hybrid Cell Culture	Methyl 18-ethyl-8,14-diazapentacyclo[9.5.2.0 ^{1,9} .0 ^{2,7} .0 ^{14,17}]octadeca-2,4,6,9-tetraene-10-carboxylate	
RASE0123 [34]	21-Hydroxysarpagan-glucoside	Hybrid Cell Culture	(1S,12S,14S,15E,16R)-15-ethylidene-16-[[3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy]-3,17-diazapentacyclo[12.3.1.0 ^{2,10} .0 ^{4,9} .0 ^{12,17}]octadeca-2(10),4(9),5,7-tetraene-13-carbaldehyde	

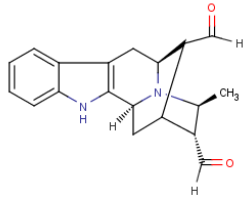
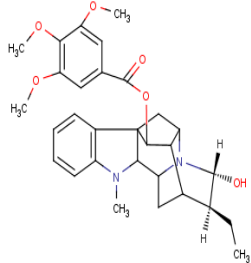
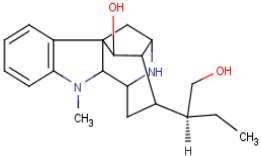
RASE0124 [34]	17-O-Acetyltrauglucine	Hybrid Cell Culture	(1R,9R,13S,14R,16S)-13-ethyl-8-methyl-14-[[3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy}-8,15-diazahexacyclo[14.2.1.0 ^{1,9} .0 ^{2,7} .0 ^{10,15} .0 ^{12,17}]nonadeca-2(7),3,5-trien-18-yl acetate	
RASE0125 [34]	17-O-Acetylnortetraphyllicine	Hybrid Cell Culture, Cell Suspension Culture	(1R,9R,13E,16S)-13-ethylidene-8,15-diazahexacyclo[14.2.1.0 ^{1,9} .0 ^{2,7} .0 ^{10,15} .0 ^{12,17}]nonadeca-2(7),3,5-trien-18-yl acetate	
RASE0126 [34]	17-O-Acetyltetraphyllicine	Hybrid Cell Culture, Cell Suspension Culture	(1R,9R,13E,16S)-13-ethylidene-8-methyl-8,15-diazahexacyclo[14.2.1.0 ^{1,9} .0 ^{2,7} .0 ^{10,15} .0 ^{12,17}]nonadeca-2(7),3,5-trien-18-yl acetate	
RASE0127 [34]	Suaveoline	Hybrid Cell Culture	(1S,12S)-17-ethyl-3-methyl-3,15,20-triazapentacyclo[10.7.1.0 ^{2,10} .0 ^{4,9} .0 ^{13,18}]icosa-2(10),4(9),5,7,13,15,17-heptaene	

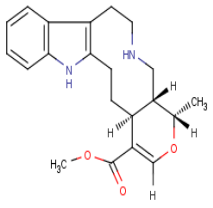
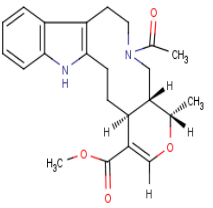
RASE0128 [34]	Macrophylline	Hybrid Cell Culture	2-{20-methyl-3,15,20-triazapentacyclo[10.7.1.0 ^{2,10} .0 ^{4,9} .0 ^{13,18}]}jicosa-2(10),4(9),5,7,13,15,17-heptaen-17-yl}ethan-1-ol	
RASE0129 [34]	Rhazinilam	Hybrid Cell Culture	(12R)-12-ethyl-8,16-diazatetracyclo[10.6.1.0 ^{2,7} .0 ^{16,19}]}nadaeca-1(19),2(7),3,5,17-pentaen-9-one	
RASE0130 [34]	Acetylcorynanthine	Roots	Methyl (1S,15R,18S,19S,20S)-18-(acetyloxy)-3,13-diazapentacyclo[11.8.0.0 ^{2,10} .0 ^{4,9} .0 ^{15,20}]}henicosa-2(10),4(9),5,7-tetraene-19-carboxylate	
RASE0131 [34]	Raunescine	Roots	Methyl (1R,15S,17R,18R,19S,20S)-18-hydroxy-17-(3,4,5-trimethoxybenzoyloxy)-3,13-diazapentacyclo[11.8.0.0 ^{2,10} .0 ^{4,9} .0 ^{15,20}]}henicosa-2(10),4,6,8-tetraene-19-carboxylate	

<p>RASE0132 [27]</p>	<p>Isosandwicimine</p>	<p>Roots</p>	<p>(1R,9R,10S,12R,13R,14S,16S,18S)-13-ethyl-18-hydroxy-8-methyl-8,15-diazahexacyclo[14.2.1.0^{1,9}.0^{2,7}.0^{10,15}.0^{12,17}]nonadeca-2(7),3,5-trien-14-yl acetate</p>	
<p>RASE0133 [27]</p>	<p>Seredine</p>	<p>Roots</p>	<p>Methyl 18-hydroxy-6,7-dimethoxy-3,13-diazapentacyclo[11.8.0.0^{2,10}.0^{4,9}.0^{15,20}]henicosa-2(10),4(9),5,7-tetraene-19-carboxylate</p>	
<p>RASE0134 [8]</p>	<p>Ajmalicine</p>	<p>Roots</p>	<p>Methyl (1S,15R,16S,18S,20R)-18-hydroxy-16-methyl-17-oxa-3,13-diazapentacyclo[11.8.0.0^{2,10}.0^{4,9}.0^{15,20}]henicosa-2(10),4(9),5,7-tetraene-3-carboxylate</p>	
<p>RASE0135 [8,27]</p>	<p>Ajmalinimine</p>	<p>Roots</p>	<p>4-acetyl-13-ethyl-14-hydroxy-8-methyl-8,15-diazahexacyclo[14.2.1.0^{1,9}.0^{2,7}.0^{10,15}.0^{12,17}]nonadeca-2,4,6-trien-18-yl acetate</p>	

<p>RASE0136</p> <p>[8]</p>	<p>Raugalline</p>	<p>Roots</p>	<p>(9R,14R)-13-ethyl-8-methyl-8,15-diazahexacyclo[14.2.1.0^{1,9}.0^{2,7}.0^{10,15}.0^{12,17}]nonadeca-2,4,6-triene-14,18-diol</p>	
<p>RASE0137</p> <p>[8]</p>	<p>Perakenine</p>	<p>Roots</p>	<p>13-ethyl-8-methyl-19-oxa-8,15-diazahexacyclo[14.3.1.0^{1,9}.0^{2,7}.0^{10,15}.0^{12,17}]icosa-2(7),3,5-trien-18-ol</p>	
<p>RASE0138</p> <p>[8]</p>	<p>Serpine</p>	<p>Roots</p>	<p>Methyl 18-hydroxy-3,13-diazapentacyclo[11.8.0.0^{2,10}.0^{4,9}.0^{15,20}]henicosa-2(10),4(9),5,7-tetraene-19-carboxylate</p>	
<p>RASE0139</p> <p>[8]</p>	<p>Acetylajmalicine</p>	<p>Roots</p>	<p>Methyl (1S,15R,16S,18R,20R)-18-(acetyloxy)-16-methyl-17-oxa-3,13-diazapentacyclo[11.8.0.0^{2,10}.0^{4,9}.0^{15,20}]henicosa-2(10),4(9),5,7-tetraene-3-carboxylate</p>	

<p>RASE0140 [8]</p>	<p>Acetylsandwic oline</p>	<p>Roots</p>	<p>(2S)-2-[(1S,2R,10R,12S,14R,17S)-17-(acetyloxy)-3,16-dimethyl-3,16-diazapentacyclo[10.3.1.1^{10,13}.0^{2,10}.0^{4,9}]]heptadeca-4(9),5,7-trien-14-yl]-2-methylbutyl acetate</p>	
<p>RASE0141 [8]</p>	<p>Acetylsandwic olidine</p>	<p>Roots</p>	<p>(9S,10S,12R,13S,14R,18S)-14-ethyl-13-methoxy-8-methyl-8,15-diazahexacyclo[14.2.1.0^{1,9}.0^{2,7}.0^{10,15}.0^{12,17}]]nonadeca-2(7),3,5-trien-18-yl acetate</p>	
<p>RASE0142 [5,35]</p>	<p>Dehydrogeisso schizine</p>	<p>Cell Suspension Culture</p>	<p>(2S,4S,5E)-5-ethylidene-4-(1-methoxy-1,3-dioxopropan-2-yl)-7¹,17-diazatetracyclo[8.7.0.0^{2,7}.0^{11,16}]]heptadeca-1(10),6,11,13,15-pentaen-7-ylum</p>	

<p>RASE0143 [5]</p>	<p>19(S),20(R)- dihydroperaksi ne-17,21-al</p>	<p>Cell Suspension Culture</p>	<p>(1S,12S,15R,16S)-16-methyl-3,17- diazapentacyclo[12.3.1.0^{2,10}.0^{4,9}.0^{12,17}] octadeca-2(10),4,6,8-tetraene-13,15- dicarbaldehyde</p>	
<p>RASE0144 [33]</p>	<p>(+)-17R-O- (3',4',5'- trimethoxybenz oyl)ajmaline</p>	<p>Roots</p>	<p>(13S,14R)-13-ethyl-14-hydroxy-8-methyl- 8,15- diazahexacyclo[14.2.1.0^{1,9}.0^{2,7}.0^{10,15}.0^{12,17}] nonadeca-2(7),3,5-trien-18- yl 3,4,5-trimethoxybenzoate</p>	
<p>RASE0145 [21]</p>	<p>4,21- secoajmaline</p>	<p>Cell Culture</p>	<p>14-[(2S)-1-hydroxybutan-2-yl]-3-methyl- 3,16- diazapentacyclo[10.3.1.1^{10,13}.0^{2,10}. 0^{4,9}]heptadeca-4(9),5,7-trien-17-ol</p>	

RASE0146 [27]	Ajmalicine	Roots	Methyl (4S,8S,9R)-8-methyl-7-oxa-11,21-diazatetracyclo[12.7.0.0 ^{4,9} .0 ^{15,20}]he nicosa-1(14),5,15(20),16,18-pentaene-5- carboxylate	
RASE0147 [27]	Acetylajmalicine	Roots	Methyl (4S,8S,9R)-11-acetyl-8-methyl-7- oxa-11,21- diazatetracyclo[12.7.0.0 ^{4,9} .0 ^{15,20}]he nicosa-1(14),5,15(20),16,18-pentaene-5- carboxylate	

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