

Supplemental table 1.

Characterization of plasma metabolites that were influenced by PPAR α activation in mice treated with bezafibrate.

RT (min)	Detected mass	Actual mass	Change in (% of Cont)	P-value	Estimate molecular formula	Estimate metabolite
4.038	156.0769	155.0696	142	1.55 \times 10 ⁻³	C ₆ H ₉ N ₃ O ₂	L-Histidine
4.472	113.02384	114.03112	60	1.71 \times 10 ⁻²	C ₅ H ₆ O ₃	2-Hydroxy-2,4-pentadienoate
4.476	179.05526	134.05705	65	3.80 \times 10 ⁻²	C ₅ H ₁₀ O ₄	Deoxyribose
4.4771	119.03445	120.04173	61	2.48 \times 10 ⁻²	C ₄ H ₈ O ₄	D-Erythrose
4.08	84.0805	83.0733	192	8.41 \times 10 ⁻⁴	C ₅ H ₉ N ₁	Piperidine
4.499	216.92197	215.91469	212	1.22 \times 10 ⁻²	C ₉ H ₃ O ₃ Cl ₃	3-Chloro-4-(dichloromethyl)-5-hydroxy-2(5H)-furanone
7.249	166.0863	165.079	159	4.72 \times 10 ⁻³	C ₉ H ₁₁ N ₁ O ₂	L-Phenylalanine
7.275	103.03992	58.0417	184	9.70 \times 10 ⁻³	C ₃ H ₆ O ₁	Acetone
7.286	218.10291	219.11018	194	4.09 \times 10 ⁻⁴	C ₉ H ₁₇ N ₁ O ₅	Pantothenate
7.3	188.07	187.06273	186	1.32 \times 10 ⁻⁶	C ₆ H ₁₀ N ₅ Cl ₁	Deethylatrazine
8.043	163.06056	164.06784	16	1.92 \times 10 ⁻⁵	C ₆ H ₁₂ O ₅	L-Rhamnose
8.045	117.05531	72.057107	28	7.22 \times 10 ⁻⁶	C ₄ H ₈ O ₁	Butanal
10.45	172.09744	173.10471	495	2.79 \times 10 ⁻⁴	C ₈ H ₁₅ N ₁ O ₃	N-Acetyl-L-leucine
12.93	245.09231	246.09958	301	2.78 \times 10 ⁻⁵	C ₁₃ H ₁₄ N ₂ O ₃	N-Acetyl-D-tryptophan
13.61	204.06608	205.07335	470	4.41 \times 10 ⁻⁶	C ₁₁ H ₁₁ N ₁ O ₃	Indolelactate
27.46	518.32262	517.31534	421	5.61 \times 10 ⁻⁸	C ₂₆ H ₄₈ N ₁ O ₇ P ₁	LPC(18:3)
27.76	494.324	493.3167	496	1.72 \times 10 ⁻⁶	C ₂₄ H ₄₈ N ₁ O ₇ P ₁	LPC(16:1)
28.45	502.2927	501.2854	172	2.75 \times 10 ⁻³	C ₂₅ H ₄₄ N ₁ O ₇ P ₁	LPE(20:4)
29.16	520.3397	519.3324	176	7.42 \times 10 ⁻⁷	C ₂₆ H ₅₀ N ₁ O ₇ P ₁	LPC(18:2)
29.21	544.3397	543.3324	86	2.61 \times 10 ⁻²	C ₂₈ H ₅₀ N ₁ O ₇ P ₁	LPC(20:4)
30.31	496.33866	495.33139	205	7.03 \times 10 ⁻⁸	C ₂₄ H ₅₀ N ₁ O ₇ P ₁	LPC(16:0)
30.74	454.2927	453.2855	307	6.99 \times 10 ⁻⁶	C ₂₁ H ₄₄ N ₁ O ₇ P ₁	LPE(16:0)
31.77	506.32379	507.33106	349	1.08 \times 10 ⁻⁵	C ₂₅ H ₅₀ N ₁ O ₇ P ₁	LPC(17:1)
32.05	480.3084	479.3012	558	2.71 \times 10 ⁻⁷	C ₂₃ H ₄₆ N ₁ O ₇ P ₁	LPE(18:1)
32.29	522.3553	521.348	369	4.99 \times 10 ⁻⁸	C ₂₆ H ₅₂ N ₁ O ₇ P ₁	LPC(18:1)
32.45	241.1798	242.18708	40	5.96 \times 10 ⁻⁴	C ₁₄ H ₂₆ O ₃	14-hydroxy-12-tetradecenoic acid
35.42	524.3709	523.3636	120	3.68 \times 10 ⁻²	C ₂₆ H ₅₄ N ₁ O ₇ P ₁	LPC(18:0)