PRODUCT INFORMATION



EPA CYP450 Oxylipin LC-MS Mixture

Item No. 21394

Supplied as:	A solution in ethanol (1 μ g of each compound)
Storage:	-20°C
Stability:	≥5 years
Information represe	nts the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Description

The EPA CYP450 oxylipin LC-MS mixture contains various regioisomers of epoxides and dihydroxy fatty acids derived from the sequentional metabolism of eicosapentaenoic acid (EPA; Item Nos. 90110 | 21908) via CYP450 and soluble epoxide hydrolase. The mixture is supplied in an amber ampule in which the headspace has been purged with argon to prevent lipid oxidation. This product has been designed for direct use in LC-MS applications. The solution may be used as a system suitability standard or tuning standard. After opening, we recommend that the mixture be transferred immediately to a 1 ml glass screw cap vial, to prevent solvent evaporation, and stored at -20°C. The mixture should be discarded after multiple freeze/thaw cycles.

This mixture contains (±)8(9)-EpETE (Item No. 10470), (±)11(12)-EpETE (Item No. 10462), (±)14(15)-EpETE (Item No. 10173), (±)17(18)-EpETE (Item No. 50861), (±)5(6)-DiHETE (Item No. 10467), (±)11(12)-DiHETE (Item No. 10466), (±)8(9)-DiHETE (Item No. 10473), (±)14(15)-DiHETE (Item No. 10006998), and (±)17(18)-DiHETE (Item No. 10006999).

Contents

EPA CYP460 exylipin mix-MRH 38MXY2017 PR18180 C21304 624 700 34	(±)8(9)-EPETE MIRA #15 Channel 317.601 - 155 (809)-T		Item Number: 21394		EPA CYP450 Oxylipin LC-MS Mixture			
a 100 200 300	400 500 600 700 (±)11(12)-EpETE 9200	1100 12:00 13:00	Item Number	Item Name	Formula	Mass (Da)	Transition (m/z)	RT (min)
28MAY2017-PR18189-C2139-624	(±)11(12)-EPETE	MRM of 10 Channels ES- 317.021 > 196 (11(12), EDETE) 9.01o4	10470	(±)8(9)-EpETE	C ₂₀ H ₃₀ O ₃	318.5	317>155	8.2
100 200 3.00	400 5.00 6.00 7.00 8.00 9.00 90.00	11.00 12.00 13.00	10462	(±)11(12)-EpETE	C ₂₀ H ₃₀ O ₃	318.5	317>195	8.2
200 200 200 200 200 200 200 200 200 200	400 500 600 700 (±)14(15)-EPETE	11.00 12.00 13.00 M/BM of 10 Channels E5- 317.021 > 248 (14(15)- EDETE) 1.0065	10173	(±)14(15)-EpETE	C ₂₀ H ₃₀ O ₃	318.5	317>248	8.1
			50861	(±)17(18)-EpETE	C ₂₀ H ₃₀ O ₃	318.5	317>215	7.9
1.00 2.00 3.00 26043/2017.PR16186-C21364-604	400 500 600 700 800 900 900 (±)17(18)-EPETE	11.00 12.00 13.00 MRM of 10 Channels ES- 017.021 > 215 (17(10): Eb/ETE) 1.38e5	10467	(±)5(6)-DiHETE	C ₂₀ H ₃₂ O ₄	336.5	335>145	6.2
-		Tes	10466	(±)11(12)-DiHETE	C ₂₀ H ₃₂ O ₄	336.5	335>167	5.9
100 2.00 3.00 4.00 6.00 2.00 8.00 6.00 PA CYP450 oxylipin mix-MRM (±) 5,6-DiHETE (±)			10473	(±)8(9)-DiHETE	C ₂₀ H ₃₂ O ₄	336.5	335>185	6.0
26MAY2017-PR16189-C21394-024	1	MRM of 10 Channels ES- 335 > 145 (5,6-DiHETE) 6.37e4	10006998	(±)14(15)-DiHETE	C ₂₀ H ₃₂ O ₄	336.5	335>111	5.9
0.300000000000000000000000000000000000	4.00 5.00 6.00 7.00 8.00 9.00 10.00	11.00 12.00 13.00	10006999	(±)17(18)-DiHETE	C ₂₀ H ₃₂ O ₄	336.5	335>203	5.5
26MAY2017-PR16189-C21394-024 1003	(±)11(12)-DIHETE	MRM of 10 Channels ES- 335 ≥ 167 (11,12-DiHETE) 2.39e8	LC-MS: Waters Acquity UPLC-Xevo TQ-S Micro					
2	l.	Mobile Phase A: Water + 0.1% Formic Acid						
1.00 2.00 3.00 26MAY2017-PR16189-C21394-024	4.00 5.00 8.00 7.00 8.00 9.00 10.00 (±)8(9)-DiHETE	MRM of 10 Channels ES-	Mobile Phase B: Acetonitrile + 0.1% Formic Acid					
100		335 > 185 (8,9-DIHETE) 7.64e5	Column: Waters BEH C8, 2.1 x 100 mm, 1.7 μm Flow Rate: 300 μl/min					
	4.00 5.00 6.00 7.00 8.00 9.00 10.00		Negative Elect	Negative Electrospray Ionization MRM Scan				
26MAY2017-PR16189-C21394-024	(±)14,15-DIHETE	MRM of 10 Channels ES- 335 > 111 (14,15-DiHETE) 2.83e5						
0-1	4.00 5.00 6.00 7.00 8.00 9.00 10.00 (±)17,18-DIHETE	11.00 12.00 13.00 MRM of 10 Channels ES- 335 > 203 (17,18-DiHETE) 4.34e4						

1.00 2.00 3.00 4.00 5 m em

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SAFETY DATA This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

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