# **PRODUCT** INFORMATION



EPA CYP450 Oxylipin MaxSpec<sup>®</sup> LC-MS Mixture

Item No. 21394

Supplied as:	A solution in ethanol (1 $\mu$ g of each compound)					
Fill volume:	>1 ml					
Storage:	-20°C					
Stability:	≥5 years					
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Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

## Description

The EPA CYP450 oxylipin MaxSpec<sup>®</sup> 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 CYP450 oxylipin mix-MRM								
28MAY2017 PR10108 C21304 624	(±)8(9)-EPETE	MRM of 10 Channels E8. 317.021 > 155 (8(9) - E9ETE) 1.84e5	Item Number: 21394		EPA CYP450 Oxylipin MaxSpec® LC-MS Mixture			
100 2.00 2.00 3.00 300 300 400 400 400 400 400 400 400 4	(b) 5.00 0.00 7.00 (±)11(12)-EPETE	90.00 11.00 12.00 13.00	Item Number	Item Name	Formula	Mass (Da)	Transition (m/z)	RT (min)
100 J	(I)II(I2)-cpc+c	MRM of 10 Channels ES- 317.021 > 196 (11(12)- EpETE) 9.0144	10470	(±)8(9)-EpETE	C <sub>20</sub> H <sub>30</sub> O <sub>3</sub>	318.5	317>155	8.2
100 200 3.00	100 5.00 6.00 7.00 8.00 9.00	10.00 11.00 12.00 13.00	10462	(±)11(12)-EpETE	C <sub>20</sub> H <sub>30</sub> O <sub>3</sub>	318.5	317>195	8.2
604/2017 /PRI 0106-02136-024	(±)14(15)-EpETE	M/BM of 10 Channels E5- 317.021 > 248 (14(15): E0ETE) 1.006	10173	(±)14(15)-EpETE	C <sub>20</sub> H <sub>30</sub> O <sub>3</sub>	318.5	317>248	8.1
4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	00 5.00 6.00 7.00 8.00 9.00	10000 11000 12/00 of 10 Converti E5- 017/021 - 215 (17/09)- 682/101 1.3860	50861	(±)17(18)-EpETE	C <sub>20</sub> H <sub>30</sub> O <sub>3</sub>	318.5	317>215	7.9
	(±)17(18)-EPETE		10467	(±)5(6)-DiHETE	C <sub>20</sub> H <sub>32</sub> O <sub>4</sub>	336.5	335>145	6.2
20 1.00 2.00 3.00 ···	100 5.00 6.00 7.00 8.00 9.00	10.00 11.00 12.00 13.00 Tree	10466	(±)11(12)-DiHETE	C <sub>20</sub> H <sub>32</sub> O <sub>4</sub>	336.5	335>167	5.9
EPA CYP450 oxylipin mix-MRM 26MAY2017-PR16189-C21394-024	(±)5,6-DIHETE	MRM of 10 Channels ES-	10473	(±)8(9)-DiHETE	C <sub>20</sub> H <sub>32</sub> O <sub>4</sub>	336.5	335>185	6.0
100	ŕ	335 > 145 (5,6-DiHETE) 6.37e4	10006998	(±)14(15)-DiHETE	C <sub>20</sub> H <sub>32</sub> O <sub>4</sub>	336.5	335>111	5.9
1.00 2.00 3.00 26MAY2017-PR16189-C21394-024	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 <sub>20</sub> H <sub>32</sub> O <sub>4</sub>	336.5	335>203	5.5
100	(±)11(12)-DiHETE	MRM of 10 Channels ES- 335 > 167 (11,12-DiHETE) 2.39e6	LC-MS: Waters Acquity UPLC-Xevo TQ-S Micro					
2 <sup>4</sup>			Mobile Phase A: Water + 0.1% Formic Acid					
1.00 2.00 3.00 26MAY2017-PR16189-C21394-024	0 6.00 6.00 7.00 8.00 9.00 10.00 (±)8(9)-DIHETE	10.00 11.00 12.00 13.00 MRM of 10 Channels ES- 335 > 185 (8,9-DIHETE)	Mobile Phase B: Acetonitrile + 0.1% Formic Acid					
100 2 <sup>8</sup>		7.64e5	Column: Waters BEH C8, 2.1 x 100 mm, 1.7 µm Flow Rate: 300 µl/min					
0	4.00 5.00 6.00 7.00 8.00 9.00	10.00 11.00 12.00 13.00	Negative Electrospray Ionization		MRM Scan			
26MAY2017-PR16189-C21394-024	(±)14,15-DIHETE	MRM of 10 Channels ES- 335 > 111 (14,15-DiHETE) 2.83e5						
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WARNING THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

### SAFFTY 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.

(±)17,18-DIHETF

Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

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