

Product Datasheet

5(S),12(S)-DiHETE (orb1984944)

Description	5(S),12(S)-DiHETE is a natural bioactive lipid derived from arachidonic acid . It is synthesized by glycogen-induced rabbit peritoneal polymorphonuclear leukocytes (PMNLs) incubated with AA. 5(S),12(S)-DiHETE can be produced by successive oxygenation of AA by 5-lipoxygenase (5-LO) in platelets and 12-LO in leukocytes. It can also be synthesized from 12(S)-HETE by 5-LO, in the presence of 5-LO activating protein (FLAP), activated with calcium ionophore. 5(S),12(S)-DiHETE is an epimer of leukotriene B4 that is weakly chemotactic for PMNL.
Storage	-20°C
Note	For research use only
Formula	C ₂₀ H ₃₂ O ₄
Purity	98.00%
MW	336.472
CAS Number	79056-01-2
SMILES	<chem>CCCCC\C=C/C[C@H](O)\C=C\C=C/C=C/[C@@H](O)CCCC(O)=O</chem>
Expiration Date	12 months from date of receipt.

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