

Product Datasheet

5(S)-HEPE (orb2283663)

Catalog Number	orb2283663
Category	Small Molecules
Description	5(S)-HEPE, an active metabolite of eicosapentaenoic acid (EPA), is produced via the action of 5-lipoxygenase (5-LO). This compound functions as an agonist for G protein-coupled receptor 119 (GPR119), promoting cAMP accumulation in CHO-K1 cells expressing human GPR119 at 10 µM concentration. Additionally, 5(S)-HEPE enhances glucose-stimulated insulin secretion from MING6 insulinoma pancreatic islets and glucagon-like peptide 1 (GLP-1) secretion from HuTu 80 adenocarcinoma cells at the same concentration. Notably, serum levels of 5(S)-HEPE are increased in hyperlipidemia patients.
Target	Others
MW	318.5
CAS Number	92008-51-0
Formula	C ₂₀ H ₃₀ O ₃
SMILES	[C@@H](/C=C/C=C\C/C=C\C/C=C\C/C=C\C/CC)(CCCC(O)=O)O
Storage	-20°C
Note	For research use only

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