



11R(12S)-EET

Cat. No.:	OB0626WX-297
Appearance:	Liquid
Purity:	≥95%
Identity:	Confirmed by HPLC.
Size:	25 µg; 50 µg; 100 µg; 500 µg; 1 mg

This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	11R(12S)-EET is an endogenous oxylipin signaling mediator selectively biotransformed from arachidonic acid by the cytochrome P450 monooxygenase isoforms CYP2C23 and CYP2C24 preferentially over CYP2B2, and by CYP2C8 over CYP2C9.
Formulation	Ethanol solution (250 µg/mL)
Synonyms	10-[(2R,3S)-3-(2Z)-2-octen-1-yl-2-oxiranyl]-5Z,8Z-decadienoic acid; 11R(12S)-EpETRE; 11R(12S)-Epoxy-all-cis-5,8,14-Eicosatrienoic Acid; 11R(12S)-Epoxyeicosatrienoic Acid; 11R(12S)-Epoxy-5(Z),8(Z),14(Z)-ETRE; FA 20:4;O; 11R,12S-EpETRE; 11R,12S-EET; 11R,12S-epoxy-5Z,8<i>i>Z,14Z-eicosatrienoic acid; (11R,12S)-EET; 87173-81-7; (11R,12S)-EpETRE; 11(R),12(S)-EpETRE; 11(R),12(S)-EET
CAS No.	123931-38-4
Compound CID	6440793
Formula	C ₂₀ H ₃₂ O ₃
Formula Weight	320.5

Specification

Solubility in Ethanol	0.1-1 mg/mL
Solubility in Other Solvents	Acetonitrile: 1-10 mg/mL
IUPAC Name	(5Z,8Z)-10-[(2R,3S)-3-[(Z)-oct-2-enyl]oxiran-2-yl]deca-5,8-dienoic acid



InChI	InChI=1S/C20H32O3/c1-2-3-4-5-9-12-15-18-19(23-18)16-13-10-7-6-8-11-14-17-20(21)22/h6,8-10,12-13,18-19H,2-5,7,11,14-17H2,1H3,(H,21,22)/b8-6-,12-9-,13-10-/t18-,19+/m0/s1
InChI Key	DXOYQVHGIODESM-MFYAFOOZSA-N
Canonical SMILES	<chem>CCCCC/C=C\C[C@H]1[C@H](O1)C/C=C\C/C=C\CCCC(O)=O</chem>
Stability	1 year
Storage	Storage at -20°C.
Applications	11R(12S)-EET serves as a stereospecifically configured mid-chain epoxy-fatty acid model for profiling ionic channel activation kinetics, evaluating competitive enzymatic breakdown networks, and analyzing downstream lipophilic signaling flux .