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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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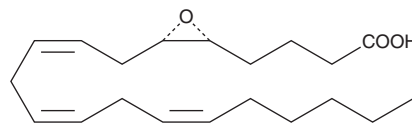
PRODUCT INFORMATION



5R(6S)-EET

Item No. 9004343

CAS Registry No.: 98103-46-9
Formal Name: (2R)-3S-(2Z,5Z,8Z)-2,5,8-tetradecatrien-1-yl-2-oxiranebutanoic acid
Synonyms: 5R(6S)-EpETrE,
5R(6S)-epoxy-all-cis-8,11,14-Eicosatrienoic Acid,
5R(6S)-Epoxyeicosatrienoic Acid,
5R(6S)-epoxy-8(Z),11(Z),14(Z)-ETrE, FA 20:4;O
MF: C₂₀H₃₂O₃
FW: 320.5
Purity: ≥95%
Supplied as: A solution in ethanol
Storage: -20°C
Stability: ≥1 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

5R(6S)-EET is supplied as a solution in ethanol. To change the solvent, simply evaporate the ethanol under a gentle stream of nitrogen and immediately add the solvent of choice, which should be purged with an inert gas. 5R(6S)-EET is sparingly soluble (1-10 mg/ml) in acetonitrile

Description

5R(6S)-EET is an oxylipin. It depolarizes transepithelial voltage in isolated rabbit renal cortical collecting duct when applied to the luminal side at a concentration of 1 μM to a lesser extent than 5S(6R)-EET (Item No. 9004349).¹ In solution, 5(6)-EET degrades into 5,6-DiHET and 5(6)-δ-lactone, which can be converted to 5(6)-DiHET and quantified by GC-MS.²

References

1. Sakairi, Y., Jacobson, H.R., Noland, T.D., *et al.* 5,6-EET inhibits ion transport in collecting duct by stimulating endogenous prostaglandin synthesis. *Am. J. Physiol.* **268(5 Pt 2)**, F931-F939 (1995).
2. Rashid, M., Manivet, P., Nishio, H., *et al.* Identification of the binding sites and selectivity of sarpogrelate, a novel 5-HT₂ antagonist, to human 5-HT_{2A}, 5-HT_{2B} and 5-HT_{2C} receptor subtypes by molecular modeling. *Life Sci.* **73(2)**, 193-207 (2003).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

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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