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Produktinformation



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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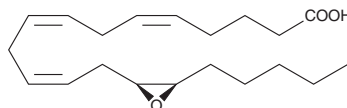
PRODUCT INFORMATION



14S(15R)-EET

Item No. 28631

CAS Registry No.: 105304-92-5
Formal Name: (5Z,8Z,11Z)-13-[(2S,3R)-3-pentyl-2-oxiranyl]-5,8,11-tridecatrienoic acid
Synonym: 14S,15R-EpETrE
MF: C₂₀H₃₂O₃
FW: 320.5
Purity: ≥95%
Supplied as: 50 mM solution in ethanol
Storage: -20°C
Stability: ≥1 year



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

Description

14S(15R)-EET is an oxylipin and a cytochrome P450 metabolite of arachidonic acid (Item Nos. 90010 | 90010.1 | 10006607).¹ 14S(15R)-EET binds to isolated guinea pig monocytes with a K_i value of 612.5 nM in a competitive binding assay using [³H]14(15)-EET.² It induces dilation of precontracted isolated canine epicardial arterioles (EC_{50} = 4 pM) and denuded porcine subepicardial arterioles (EC_{50} = 3 pM).³ Unlike 14R(15S)-EET, 14S(15R)-EET does not inhibit COX in enzyme assays or isolated platelets.⁴

References

1. Daikh, B.E., Lasker, J.M., Raucy, J.L., *et al.* Regio- and stereoselective epoxidation of arachidonic acid by human cytochromes P450 2C8 and 2C91. *J. Pharmacol. Exp. Ther.* **271**(3), 1427-1433, 1994.
2. Wong, P.Y.-K., Lai, P.-S., and Falck, J.R. Mechanism and signal transduction of 14 (R), 15 (S)-epoxyeicosatrienoic acid (14,15-EET) binding in guinea pig monocytes. *Prostaglandins Other Lipid Mediat.* **62**(4), 321-333 (2000).
3. Zhang, Y., Oltman, C.L., Lu, T., *et al.* EET homologs potently dilate coronary microvessels and activate BK_{Ca} channels. *Am. J. Physiol. Heart Circ. Physiol.* **280**(6), H2430-H2440 (2001).
4. Fitzpatrick, F.A., Ennis, M.D., Baze, M.E., *et al.* Inhibition of cyclooxygenase activity and platelet aggregation by epoxyeicosatrienoic acids. *J. Biol. Chem.* **261**(2), 15334-15338 (1986).

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.

WARRANTY AND LIMITATION OF REMEDY

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