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Produktinformation

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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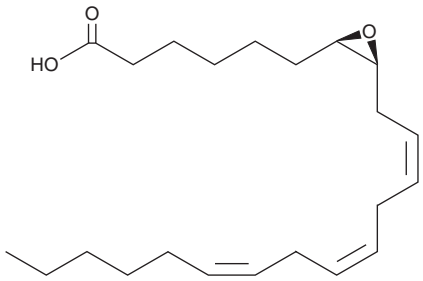
PRODUCT INFORMATION

(±)7(S),8(R)-EDT

Item No. 38933

CAS Registry No.:	355016-21-6
Formal Name:	(2R,3S)-*rel*-3-(2Z,5Z,8Z)-2,5,8-tetradecatrien-1-yl-2-oxiranehexanoic acid
Synonyms:	(±)-Dihomo-7,8-EET, (±)7,8-EpDoTrE, (±)7,8-Epoxydocsatrienoic Acid
MF:	$C_{22}H_{36}O_3$
FW:	348.5
Purity:	≥95%
Supplied as:	A solution in ethanol
Storage:	-20°C
Stability:	≥2 years



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

Description

(±)7(S),8(R)-EDT is an oxylipin and a metabolite of adrenic acid (Item No. 90300) formed *via* the cytochrome P450 (CYP) pathway.[1,2] It induces dilation of isolated porcine arterioles (EC_{50} = 10 pM).[3] (±)7(S),8(R)-EDT also induces relaxation of isolated bovine coronary arteries precontracted with the TP receptor agonist U-46619 (Item No. 16450).[1]

References

1. Yi, X.-Y., Gauthier, K.M., Cui, L., *et al.* Metabolism of adrenic acid to vasodilatory 1α,1β-dihomo-epoxyeicosatrienoic acids by bovine coronary arteries. *Am. J. Physiol. Heart Circ. Physiol.* **292(5)**, H2265-H2274 (2007).
2. Singh, N., Barnych, B., Wagner, K.M., *et al.* Adrenic acid-derived epoxy fatty acids are naturally occurring lipids and their methyl ester prodrug reduces endoplasmic reticulum stress and inflammatory pain. *ACS Omega* **6(10)**, 7165-7174 (2021).
3. Zhang, Y., Oltman, C.L., Lu, T., *et al.* EET homologs potently dilate coronary microvessels and activate BKCa channels. *Am. J. Physiol. Heart Circ. Physiol.* **280(6)**, H2430-H2440 (2001).

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