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SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

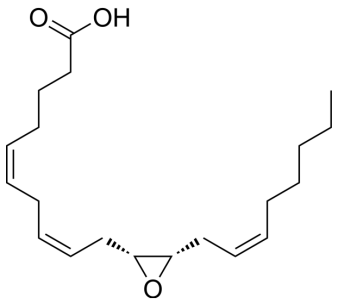
mail@szabo-scandic.com

www.szabo-scandic.com

linkedin.com/company/szaboscandic

11R(12S)-EET

Cat. No.:	HY-N12962A
CAS No.:	123931-38-4
Molecular Formula:	$C_{20}H_{32}O_3$
Molecular Weight:	320.47
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	11R(12S)-EET is a cis-epoxytrienoic acid (EETs) derivative that is metabolized by cytoplasmic cyclooxygenases. Studies have shown that 14(R), 15(S)-, 11(S),12(R)-, and 8(S),9(R)-EETs are metabolized at significantly higher rates than their enantiomers. Enzyme-catalyzed hydration revealed that water addition was non-regioselective for the 11,12-EET enantiomers, whereas water addition occurred primarily at the C9 position for both enantiomers of 8,9-EET. These results suggest that the metabolic properties of 11R(12S)-EET and other EET enantiomers in enzyme-catalyzed processes are significantly affected by their stereostructures[1].

REFERENCES

[1]. Zeldin DC, et al. Metabolism of epoxyeicosatrienoic acids by cytosolic epoxide hydrolase: substrate structural determinants of asymmetric catalysis. Arch Biochem Biophys. 1995 Jan 10;316(1):443-51.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA