



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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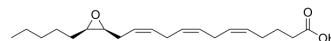
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## 14S(15R)-EET

Cat. No.:	HY-N12970
CAS No.:	105304-92-5
Molecular Formula:	C <sub>20</sub> H <sub>32</sub> O <sub>3</sub>
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

14S(15R)-EET is an endogenous epoxytrieneic acid derivative that mainly exists in rat organs. By studying its metabolic process, it was found that its stereoselective hydration and formation of chiral diols were significantly affected by epoxidase. Different 14,15-EET enantiomers showed different regions and stereochemistry of hydration reactions, among which 14(R),15(S)-EET showed specific hydration for C15. These findings reveal the important role of epoxidase in the metabolism of endogenous EETs, and the differences in enzyme affinity and reaction rate for individual EET enantiomers may lead to their stereoselective metabolism<sup>[1]</sup>.

### 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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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