



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

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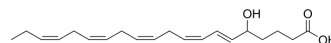
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(±)5-HEPE

Cat. No.:	HY-N7801
CAS No.:	83952-40-3
Molecular Formula:	C ₂₀ H ₃₀ O ₃
Molecular Weight:	318.45
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

(±)5-HEPE is produced by non-enzymatic oxidation of EPA. It contains equal amounts of 5(S)-HEPE and 5(R)-HEPE. The biological activity of (±)5-HEPE is likely mediated by one of the individual isomers, most commonly the 5(S) isomer in mammalian systems. EPA can be metabolized to 5-HEPE in human and bovine neutrophils, and human eosinophils, which is further metabolized to 5-oxoEPE and LTB₅. The 5-series metabolites of EPA, namely 5-HEPE, 5-oxoEPE, and LTB₅, have significantly decreased biological effects compared to the arachidonic acid-derived metabolites.

REFERENCES

[1]. Powell, et al. Formation of a 5-oxo metabolite of 5,8,11,14,17-eicosapentaenoic acid and its effects on human neutrophils and eosinophils. *J. Lipid Res.* 36, 2590-2598 (1995).

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

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