



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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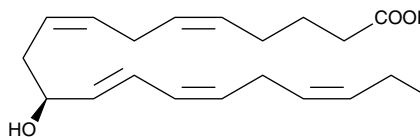
# Product Information



## 11(S)-HEPE

Item No. 32510

**CAS Registry No.:** 156473-26-6  
**Formal Name:** 11S-hydroxy-5Z,8Z,12E,14Z,17Z-eicosapentaenoic acid  
**MF:** C<sub>20</sub>H<sub>30</sub>O<sub>3</sub>  
**FW:** 318.5  
**Purity:** ≥98%  
**Stability:** ≥1 year at -20°C  
**Supplied as:** A solution in ethanol  
**UV/Vis:** λ<sub>max</sub>: 236 nm ε: 23,000  
**Misc:** Oxygen and light sensitive



### Laboratory Procedures

For long term storage, we suggest that 11(S)-HEPE be stored as supplied at -20°C. It should be stable for at least one year.

11(S)-HEPE is supplied as a solution in ethanol. To change the solvent, simply evaporate the ethanol under a gentle stream of nitrogen and immediately add the solvent of choice. Solvents such as DMSO and dimethyl formamide purged with an inert gas can be used. The solubility of 11(S)-HEPE in these solvents is approximately 50 mg/ml.

Further dilutions of the stock solution into aqueous buffers or isotonic saline should be made prior to performing biological experiments. Ensure that the residual amount of organic solvent is insignificant since organic solvents may have physiological effects at low concentrations. If an organic solvent-free solution of 11(S)-HEPE is needed, it can be prepared by evaporating the ethanol and directly dissolving the neat oil in aqueous buffers. The solubility of 11(S)-HEPE in PBS (pH 7.2) is approximately 1 mg/ml. We do not recommend storing the aqueous solution for more than one day.

11(S)-HEPE is a monohydroxy fatty acid derived from EPA, theoretically by the action of COX. Although its arachidonate derived congener 11(S)-HETE has been isolated from cultured neutrophils, it is not known if similar incubations with EPA can produce 11(S)-HEPE.<sup>1</sup>

### Reference

1. Myers, R.F. and Siegel, M.I. Differential effects of anti-inflammatory drugs in lipoxygenase and cyclo-oxygenase activities of neutrophils from a reverse passive arthus reaction. *Biochem. Biophys. Res. Commun.* **112**, 586-594 (1983).

### Related Products

For a list of related products please visit: [www.caymanchem.com/catalog/32510](http://www.caymanchem.com/catalog/32510)

**WARNING: THIS PRODUCT IS FOR LABORATORY RESEARCH ONLY: NOT FOR ADMINISTRATION TO HUMANS. NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.**

#### SAFETY DATA

This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

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