

# Produktinformation



Forschungsprodukte & Biochemikalien
Zellkultur & Verbrauchsmaterial
Diagnostik & molekulare Diagnostik
Laborgeräte & Service

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Lieferung & Zahlungsart siehe unsere Liefer- und Versandbedingungen

## Zuschläge

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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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# **PRODUCT** INFORMATION



8(S)-HEPE

Item No. 32350

CAS Registry No.: Formal Name:	118492-81-2 8S-hydroxy-5Z,9E,11Z,14Z,17Z- eicosapentaenoic acid	
MF:	$C_{20}H_{30}O_3$	QH
FW:	318.5	
Purity:	≥98%	
UV/Vis.:	λ <sub>max</sub> : 236 nm	
Supplied as:	A solution in ethanol	
Storage:	-20°C	
Stability:	≥2 years	
Special Conditions: Oxygen and light sensitive		
Information represents the product specifications, Batch specific analytical results are provided on each certificate of analysis,		

#### Laboratory Procedures

8(S)-HEPE is supplied as a solution in ethanol. To change the solvent, 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. 8(S)-HEPE is miscible in these solvents.

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 8(S)-HEPE is needed, it can be prepared by evaporating the ethanol and directly dissolving the neat oil in aqueous buffers. The solubility of 8(S)-HEPE in PBS, pH 7.2, is approximately 0.8 mg/ml. For greater aqueous solubility, 8(S)-HEPE can be directly dissolved in 0.1 M Na2CO3 (solubility of 2 mg/ml) and then diluted with PBS (pH 7.2) to achieve the desired concentration or pĤ. We do not recommend storing the aqueous solution for more than one day.

#### Description

At a 10 nM concentration, 8(S)-HEPE causes the eggs of the barnacle, E. modestus to hatch.<sup>1</sup> (±)8-HETE, derived from arachidonic acid, was ineffective in egg hatching.<sup>1</sup>

#### Reference

1. Hill, E.M., Holland, D.L., Gibson, K.H., et al. Identification and hatching factor activity of monohydroxyeicosapentaenoic acid in homogenates of the barnacle Elminius modestus. Proc. R. Soc. Lond. B 234, 455-461 (1988).

WARNING THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

#### SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

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