



# 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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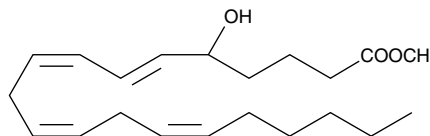
# Product Information



## (±)5-HETE methyl ester

Item No. 34220

**CAS Registry No.:** 73279-38-6  
**Formal Name:** (±)5-hydroxy-6E,8Z,11Z,14Z-eicosatetraenoic acid, methyl ester  
**MF:** C<sub>21</sub>H<sub>34</sub>O<sub>3</sub>  
**FW:** 334.5  
**Purity:** ≥98%  
**Stability:** ≥1 year at -20°C  
**Supplied as:** A solution in ethanol  
**UV/Vis:** λ<sub>max</sub>: 236 nm ε: 24,000



### Laboratory Procedures

For long term storage, we suggest that (±)5-HETE methyl ester be stored as supplied at -20°C. It should be stable for at least one year.

(±)5-HETE methyl ester 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 ethanol, DMSO, and dimethyl formamide purged with an inert gas can be used. (±)5-HETE methyl ester 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 (±)5-HETE methyl ester is needed, it can be prepared by evaporating the ethanol and directly dissolving the neat oil in aqueous buffers. The solubility of (±)5-HETE methyl ester in PBS (pH 7.2) is approximately 0.1 mg/ml. For maximum solubility in aqueous buffers, the ethanolic solution of (±)5-HETE methyl ester should be diluted with the aqueous buffer of choice. (±)5-HETE methyl ester has a solubility of approximately 0.2 mg/ml in a 1:3 solution of ethanol:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

(±)5-HETE is one of the six monohydroxy fatty acids produced by the non-enzymatic oxidation of arachidonic acid. The methyl ester of (±)5-HETE has no distinguishing biological activity. Oxidatively degraded polyunsaturated fatty acid (PUFA) methyl esters may contain (±)5-HETE methyl ester.

### Related Products

For a list of related products please visit: [www.caymanchem.com/catalog/34220](http://www.caymanchem.com/catalog/34220)

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

#### MATERIAL 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 Material Safety Data Sheet, which has been sent via email to your institution.

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