



# SZABO SCANDIC

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## Produktinformation



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Zellkultur & Verbrauchsmaterial



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Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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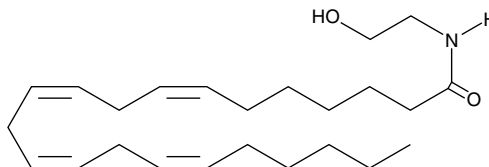
# Product Information



## Docosatetraenoyl Ethanolamide

Item No. 90385

**CAS Registry No.:** 150314-35-5  
**Formal Name:** N-(2-hydroxyethyl)-7Z,10Z,13Z,16Z-docosatetraenamide  
**MF:** C<sub>24</sub>H<sub>41</sub>NO<sub>2</sub>  
**FW:** 375.6  
**Purity:** ≥98%  
**Stability:** ≥1 year at -20°C  
**Supplied as:** A solution in ethanol



### Laboratory Procedures

For long term storage, we suggest that docosatetraenoyl ethanolamide be stored as supplied at -20°C. It should be stable for at least one year.

Docosatetraenoyl ethanolamide 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 docosatetraenoyl ethanolamide in these solvents is approximately 10 mg/ml.

Docosatetraenoyl ethanolamide is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, the ethanolic solution of docosatetraenoyl ethanolamide should be diluted with the aqueous buffer of choice. Docosatetraenoyl ethanolamide has a solubility of approximately 8 mg/ml in a 1:2 solution of ethanol:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Docosatetraenoyl ethanolamide is an endocannabinoid containing docosatetraenoic acid in place of the arachidonate moiety of AEA. Its specific role and relative importance as a cannabinergic neurotransmitter have not been elucidated.<sup>1</sup>

### Reference

1. Hanus, L., Gopher, A., Almog, S., *et al.* Two new unsaturated fatty acid ethanolamides in brain that bind to the cannabinoid receptor. *J. Med. Chem.* **36**, 3032-3034 (1993).

### Related Products

For a list of related products please visit: [www.caymanchem.com/catalog/90385](http://www.caymanchem.com/catalog/90385)

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

#### SAFETY DATA

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