



# 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

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

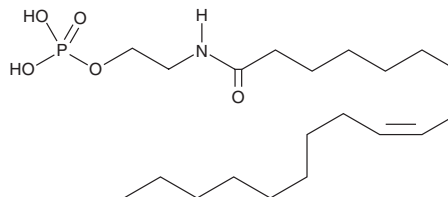
# PRODUCT INFORMATION



## Oleoyl Ethanolamide Phosphate

Item No. 22886

**CAS Registry No.:** 24435-25-4  
**Formal Name:** N-[2-(phosphonoxy)ethyl]-9Z-octadecenamide  
**Synonyms:** NAEPA, N-oleoyl ethanolamide phosphoric acid, OEA-P  
**MF:** C<sub>20</sub>H<sub>40</sub>NO<sub>5</sub>P  
**FW:** 405.5  
**Purity:** ≥95%  
**Supplied as:** A crystalline solid  
**Storage:** -20°C  
**Stability:** ≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

### Laboratory Procedures

Oleoyl ethanolamide phosphate (OEA-P) is supplied as a crystalline solid. A stock solution may be made by dissolving the OEA-P in the solvent of choice. OEA-P is soluble in the organic solvent DMSO, which should be purged with an inert gas.

### Description

OEA-P is a lysophosphatidic acid (LPA) mimetic, LPA receptor agonist, and phosphate ester of oleoyl ethanolamide (OEA; Item No. 90265).<sup>1,2</sup> It selectively increases [<sup>35</sup>S]GTPγS binding to HEK293T cell membranes expressing LPA<sub>1</sub> and LPA<sub>2</sub> over LPA<sub>3</sub> receptors.<sup>2</sup> OEA-P induces calcium mobilization and inhibits forskolin-induced cAMP accumulation in MDA-MB-231 cells (EC<sub>50</sub>s = 1.2 and 101 nM, respectively).<sup>1</sup>

### References

1. Lynch, K.R., Hopper, D.W., Carlisle, S.J., *et al.* Structure/activity relationships in lysophosphatidic acid: The 2-hydroxyl moiety. *Mol. Pharmacol.* **52**(1), 75-81 (1997).
2. Im, D.S., Heise, C.E., Harding, M.A., *et al.* Molecular cloning and characterization of a lysophosphatidic acid receptor, Edg-7, expressed in prostate. *Mol. Pharmacol.* **57**(4), 753-759 (2000).

#### 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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#### CAYMAN CHEMICAL

1180 EAST ELLSWORTH RD  
ANN ARBOR, MI 48108 · USA

**PHONE:** [800] 364-9897  
[734] 971-3335

**FAX:** [734] 971-3640

CUSTSERV@CAYMANCHEM.COM  
WWW.CAYMANCHEM.COM