



# 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

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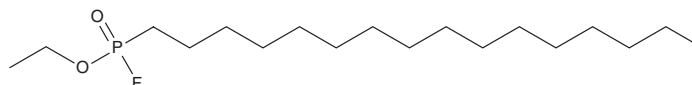
# PRODUCT INFORMATION



## Ethyl HDFP

Item No. 38209

**CAS Registry No.:** 1407160-81-9  
**Formal Name:** p-hexadecyl-phosphonofluoridic acid, ethyl ester  
**Synonyms:** Ethyl Hexadecylfluorophosphonate, Ethyl P-Hexadecylphosphonofluoridate  
**MF:** C<sub>18</sub>H<sub>38</sub>FO<sub>2</sub>P  
**FW:** 336.5  
**Purity:** ≥98%  
**Supplied as:** A 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

Ethyl HDFP is supplied as a solid. A stock solution may be made by dissolving the Ethyl HDFP in the solvent of choice, which should be purged with an inert gas. Ethyl HDFP is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF). The solubility of Ethyl HDFP in DMSO is approximately 20 mg/ml and approximately 30 mg/ml in ethanol and DMF.

### Description

Ethyl HDFP is a lipase inhibitor.<sup>1</sup> It inhibits 12 lipases, including fatty acid amide hydrolase (FAAH), fatty acid synthase (FASN), and  $\alpha/\beta$ -hydrolase domain-containing protein 4 (ABHD4), by greater than 75% in mouse T cell hybridoma lysates when used at a concentration of 2  $\mu$ M. Ethyl HDFP inhibits depalmitoylation of H-Ras in HEK293 cells.

### Reference

1. Martin, B.R., Wang, C., Adibekian, A., *et al.* Global profiling of dynamic protein palmitoylation. *Nat. Methods* **9**(1), 84-89 (2012).

#### 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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