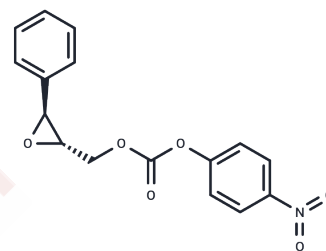


## S-NEPC

## Chemical Properties

CAS No. : 147349-28-8  
 Formula: C<sub>16</sub>H<sub>13</sub>NO<sub>6</sub>  
 Molecular Weight: 315.281  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
*Actual storage temperature shall be subject to the COA.*



## Biological Description

Description	Cytochrome P450 metabolites of arachidonic acid, such as 11(12)-EpETRE and 14(15)-EpETRE have been identified as endothelium derived hyperpolarizing factors with vasodilator activity. Soluble epoxide hydrolase (sEH) catalyzes the conversion of EpETREs to the corresponding DiHETREs thereby diminishing their activity. Inhibitors of sEH may therefore have clinical utility for treating hypertension and systemic inflammation. S-NEPC is a colorimetric substrate used to measure sEH activity. It also is a substrate for Glutathione S-transferase, microsomal epoxide hydrolase and porcine liver carboxylesterase. Hydrolysis of S-NEPC by sEH yields 4-nitrophenol which can be quantified spectrophotometrically at 405 nm. S-NEPC is adaptable for use in 96-well microwell plate readers.
Targets(IC50)	Others, Epoxide Hydrolase

## Solubility Information

Solubility	DMSO: 30 mg/mL (95.15 mM), Sonication is recommended. DMSO:PBS (pH 7.2) (1:2): 0.15 mg/mL (0.48 mM), Sonication is recommended. Ethanol: 2 mg/mL (6.34 mM), Sonication is recommended. DMF: 30 mg/mL (95.15 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	3.1718 mL	15.8589 mL	31.7178 mL
5 mM	0.6344 mL	3.1718 mL	6.3436 mL
10 mM	0.3172 mL	1.5859 mL	3.1718 mL
50 mM	0.0634 mL	0.3172 mL	0.6344 mL

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Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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