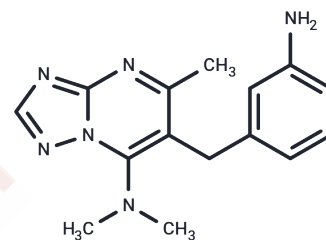


ENPP1 Inhibitor C

Chemical Properties

CAS No. :	2378640-92-5
Formula:	C ₁₅ H ₁₈ N ₆
Molecular Weight:	282.34
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	ENPP1 Inhibitor C is an ectonucleotide pyrophosphatase/phosphodiesterase 1 (ENPP1) inhibitor with potential anticancer activity for the study of triple-negative breast cancer.
Targets(IC50)	PDE
In vitro	ENPP1 Inhibitor C is a potent inhibitor of ENPP1 (ectonucleotide pyrophosphatase/phosphodiesterase 1) with IC50 values of 0.26 μ M, 0.48 μ M, and 2.0 μ M as assessed using TG-mAMP, pNP-TMP, and ATP assays, respectively. [1]

Solubility Information

Solubility	DMF: 10 mg/mL (35.42 mM), Sonication is recommended. Methanol: 50 mg/mL (177.09 mM) DMSO: 80 mg/mL (283.35 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5418 mL	17.7091 mL	35.4183 mL
5 mM	0.7084 mL	3.5418 mL	7.0837 mL
10 mM	0.3542 mL	1.7709 mL	3.5418 mL
50 mM	0.0708 mL	0.3542 mL	0.7084 mL

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.

Reference

Kawaguchi M, et al. Development of an ENPP1 Fluorescence Probe for Inhibitor Screening, Cellular Imaging, and Prognostic Assessment of Malignant Breast Cancer. J Med Chem. 2019 Oct 24;62(20):9254-9269.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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