

Folate-PEG2-amine

Chemical Properties

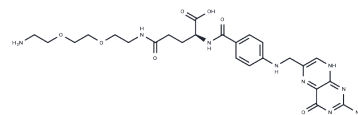
CAS No. : 1099829-15-8

Formula: C₂₅H₃₃N₉O₇

Molecular Weight: 571.595

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Folate-PEG2-amine is a PEG-based linker for PROTACs which joins two essential ligands, crucial for forming PROTAC molecules. This linker enables selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
In vitro	PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7495 mL	8.7474 mL	17.4948 mL
5 mM	0.3499 mL	1.7495 mL	3.499 mL
10 mM	0.1749 mL	0.8747 mL	1.7495 mL
50 mM	0.035 mL	0.1749 mL	0.3499 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.

Reference

An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBioMedicine. 2018 Oct;36:553-562.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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