

TCO-PEG2-amine

Chemical Properties

CAS No. :	2141981-87-3
Formula:	C15H28N2O4
Molecular Weight:	300.39
Storage:	Keep away from direct sunlight, 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	TCO-PEG2-amine is a PEG-based linker for PROTAC systems that connects two functional ligands required for PROTAC assembly. TCO-PEG2-amine is utilized in chemical biology research involving targeted protein degradation, ubiquitin-proteasome system engineering, and linker optimization for bifunctional molecule design.
Targets(IC50)	PROTAC Linker
In vitro	PROTACs leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins by connecting two distinct ligands—a ligand for an E3 ubiquitin ligase and a ligand for the target protein—via a linker [PROTACs].

Solubility Information

Solubility	DMSO: 80 mg/mL (266.32 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.329 mL	16.645 mL	33.2901 mL
5 mM	0.6658 mL	3.329 mL	6.658 mL
10 mM	0.3329 mL	1.6645 mL	3.329 mL
50 mM	0.0666 mL	0.3329 mL	0.6658 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

Wang Y, et al. Degradation of proteins by PROTACs and other strategies. Acta Pharm Sin B. 2020 Feb;10(2):207-238.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481