Data Sheet (Cat.No.T17165)

TargetMol®
YOUR TARGET MOLECULES

Tris[[2-(tert-butoxycarbonyl)ethoxy]methyl]methylamine

Chemical Properties

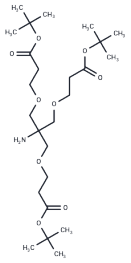
CAS No. : 175724-30-8

Formula: C25H47NO9

Molecular Weight: 505.64

Appearance: no data available

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



Biological Description

Description	Tris[[2-(tert-butoxycarbonyl)ethoxy]methyl]methylamine, a cleavable PEG ADC linker, is employed in the synthesis of antibody-drug conjugates (ADCs). It is also a PEG-based PROTAC linker, specifically Amino-Tri-(t-butoxycarbonylethoxymethyl)-methane, widely used in the synthesis of PROTACs[1].
Targets(IC50)	Others
In vitro	ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker[1]. 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	1.9777 mL	9.8885 mL	19.7769 mL
5 mM	0.3955 mL	1.9777 mL	3.9554 mL
10 mM	0.1978 mL	0.9888 mL	1.9777 mL
50 mM	0.0396 mL	0.1978 mL	0.3955 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

Kostiainen MA, et al. Optically degradable dendrons for temporary adhesion of proteins to DNA. Chemistry. 2010 Jun 18;16(23):6912-8.

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