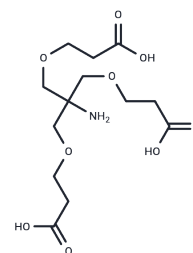


Amino-Tri-(carboxyethoxymethyl)-methane

Chemical Properties

CAS No. :	174362-95-9
Formula:	C13H23NO9
Molecular Weight:	337.32
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Amino-Tri-(carboxyethoxymethyl)-methane, an ADC linker and PROTAC linker, is a cleavable PEG compound utilized for the synthesis of antibody-drug conjugates (ADCs)[1] and PEG-based PROTACs[2].
Targets(IC50)	Others
In vitro	PROTACs, or proteolysis-targeting chimeras, are composed of two distinct ligands joined by a linker. One of these ligands binds to a specific protein target, while the other binds to an E3 ubiquitin ligase. When the PROTAC binds to both the target protein and the E3 ligase, it triggers the ubiquitin-proteasome system within cells to degrade the target protein, thereby providing a mechanism for targeted protein degradation.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9645 mL	14.8227 mL	29.6454 mL
5 mM	0.5929 mL	2.9645 mL	5.9291 mL
10 mM	0.2965 mL	1.4823 mL	2.9645 mL
50 mM	0.0593 mL	0.2965 mL	0.5929 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

- Markus Ribbert, et al. Self coupling recombinant antibody fusion proteins. WO2009013359A2.
David Margulies, et al. Fluorescent molecular sensor for targeting changes in protein surfaces, and methods of use

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