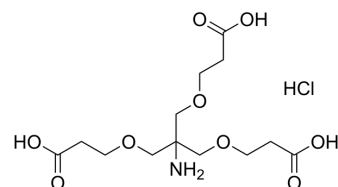


Amino-Tri-(carboxyethoxymethyl)-methane hydrochloride

Cat. No.:	HY-117519A
CAS No.:	1416771-72-6
Molecular Formula:	C ₁₃ H ₂₄ ClNO ₉
Molecular Weight:	373.78
Target:	ADC Linker; PROTAC Linkers
Pathway:	Antibody-drug Conjugate/ADC Related; PROTAC
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (267.54 mM; Need ultrasonic)

Concentration	Solvent	Mass	1 mg	5 mg	10 mg
			1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.6754 mL	13.3769 mL	26.7537 mL
	5 mM		0.5351 mL	2.6754 mL	5.3507 mL
	10 mM		0.2675 mL	1.3377 mL	2.6754 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Amino-Tri-(carboxyethoxymethyl)-methane hydrochloride is a cleavable PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs). Amino-Tri-(carboxyethoxymethyl)-methane hydrochloride is also a PEG-based PROTAC linker that can be used in the synthesis of PROTACs^{[1][2]}.

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^[2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Markus Ribbert, et al. Self coupling recombinant antibody fusion proteins. WO2009013359A2.

[2]. David Margulies, et al. Fluorescent molecular sensor for targeting changes in protein surfaces, and methods of use thereof. WO2015166491A2.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA