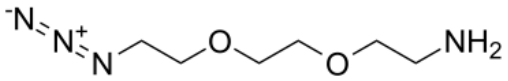
Product Data Sheet

Product Name: Azido-PEG2-C2-amine
Cat. No.: GC60067

Chemical Properties

Cas. No.	166388-57-4		
SMILES	[N-]=[N+]=NCCOCCOCCN		
Formula	$C_6H_{14}N_4O_2$	M.Wt	174.2
Solubility		Storage	-20°C, protect from light
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			



Background

Azido-PEG2-C2-amine (N3-PEG2-CH2CH2NH2) is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs[1]. Azido-PEG2-C2-amine is also a non-cleavable 2 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs)[2].

Caution: Product has not been fully validated for medical applications. For research use only.
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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].ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker[2].

[1]. Su S, et al. Potent and Preferential Degradation of CDK6 via Proteolysis Targeting Chimera Degraders. J Med Chem. 2019 Aug 22;62(16):7575-7582. [2]. Tominari, Yusuk , et al. Heterocyclic compound. WO2020027225A1.

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