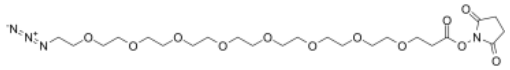
Product Data Sheet

Product Name: Azido-PEG8-NHS ester
Cat. No.: GC61857

Chemical Properties

Cas. No.	1204834-00-3		
SMILES	O=C(ON1C(CCC1=O)=O)CCOCCOCCOCCOCCOCCOCCOCCOCCOCCN=[N+]=[N-]		
Formula	$C_{23}H_{40}N_4O_{12}$	M.Wt	564.58
Solubility	DMSO : 100 mg/mL (177.12 mM)	Storage	Store at -20°C
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-PEG8-NHS ester is a cleavable 8 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs)[1]. Azido-PEG8-NHS ester is also a PEG- and Alkyl/ether-based PROTAC linker that can be used in the synthesis of PROTACs[2].

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].

References:

[1]. Mahendra Persaud Deonarain, et al. Biological materials and uses thereof. WO2016046574A1.
[2]. Rong Yuan, et al. Viruslike Element-Tagged Nanoparticle Inductively Coupled Plasma Mass Spectrometry Signal Multiplier: Membrane Biomarker Mediated Cell Counting. Analytical Chemistry (Washington, DC, United States) (2019), 91(8), 4948-4952.

Caution: Product has not been fully validated for medical applications. For research use only.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA