

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-]

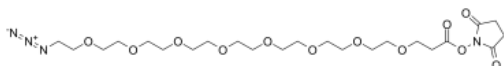
Formula $C_{23}H_{40}N_4O_{12}$ M.Wt 564.58

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-

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

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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.

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