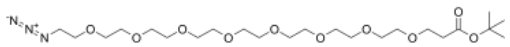
Product Data Sheet

Product Name: Azido-PEG8-Boc
Cat. No.: GC61542

Chemical Properties

Cas. No.	1623791-99-0		
SMILES	O=C(OC(C)(C)C)CCOCCOCCOCCOCCOCCOCCOCCOCCN=[N+]=[N-]		
Formula	$C_{23}H_{45}N_3O_{10}$	M.Wt	523.62
Solubility	DMSO: 200 mg/mL (381.96 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-Boc is a PEG- and Alkyl/ether-based PROTAC linker can be used in the synthesis of PROTACs[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[1].

[1]. Garofalo, Antonio, et al. Efficient synthesis of small-sized phosphonated dendrons: potential organic coatings of iron oxide nanoparticles. New Journal of Chemistry (2014), 38(11), 5226-5239.