Product Data Sheet

Product Name: Boc-NH-PEG4-CH2CH2COOH
Cat. No.: GC60655

Chemical Properties

Cas. No.	756525-91-4		
SMILES	CC(C)(OC(NCCOCCOCCOCCOCCC(O)=O)=O)C		
Formula	$C_{16}H_{31}NO_8$	M.Wt	365.42
Solubility		Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ 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	Boc-NH-PEG4-CH2CH2COOH		

Background

Boc-NH-PEG4-CH2CH2COOH is a PEG-based PROTAC linker can be used in the synthesis of PROTAC[1]. Boc-NH-PEG4-CH2CH2COOH is also a cleavable ADC linker used as a linker for antibody-drug conjugates (ADC)[2].

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. ADC linker used in the synthesis of antibody-drug conjugates (ADCs).

[1]. Nathanael Gray, et al. Bifunctional compounds for her3 degradation and methods of use. WO2018114798A1. [2]. Hans-Georg Lerchen, et al. Prodrugs of cytotoxic active agents having enzymatically cleavable groups. WO2018114798A1.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA