Product Data Sheet

Product Name:	Methyltetrazine-PEG12-DBCO
Cat. No.:	GC61619

Chemical Properties

Cas. No.			
SMILES	CC1=NN=C(C2=CC=C(OCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCNC(CCC(N3C4=CC=CC=C4C#CC5=CC=CC=C5C3)=O)=		
Formula	$C_{52}H_{70}N_6O_{14}$	M.Wt	1003.14
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 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	Methyltetrazine-PEG12-DBCO		

Background

Methyltetrazine-PEG12-DBCO is a PEG-based PROTAC linker that 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]. An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBioMedicine. 2018 Oct;36:553-562

Caution: Product has not been fully validated for medical applications. For research use only.
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