Product Data Sheet

Product Name:	DBCO-NHCO-PEG12-maleimide
Cat. No.:	GC60742

Chemical Properties

Cas. No.			
SMILES	O=C(CCNC(CCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCNC(CCN1C(C=CC1=O)=O)=O)=O)N2C3=CC=CC=C3C#CC4=CC=		
Formula	$C_{52}H_{74}N_4O_{17}$	M.Wt	1027.16
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 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	DBCO-NHCO-PEG12-maleimide		

Background

DBCO-NHCO-PEG12-maleimide 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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