Product Data Sheet

Product Name: Mal-amido-PEG5-C2-NHS ester
Cat. No.: GC38602

Chemical Properties

Cas. No.	1315355-92-0		
SMILES	O=C(ON1C(CCC1=O)=O)CCOCCOCCOCCOCCOCCNC(CCN2C(C=CC2=O)=O)=O		
Formula	$C_{24}H_{35}N_3O_{12}$	M.Wt	557.55
Solubility	Soluble in DMSO	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	Mal-amido-PEG5-C2-NHS ester		

Background

Mal-amido-PEG10-C2-NHS ester is a nonclaevable ADC linker containing a maleimide group and an NHS ester. The NHS ester can be used to label the primary amines (-NH2) of proteins, amine-modified oligonucleotides, and other amine-containing molecules[1][2]

[1]. Hansen AM, et al. Microwave-assisted solid-phase synthesis of antisense acpP peptide nucleic acid-peptide conjugates active against colistin- and tigecycline-resistant E. coli and K. pneumoniae. Eur J Med Chem. 2019 Apr 15;168:134-145. [2]. Zhang ge, et al. Preparation and application of FAPalpha activated polypeptide magnetic nanosphere compound used for diagnosis of tumors. CN105524141A

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