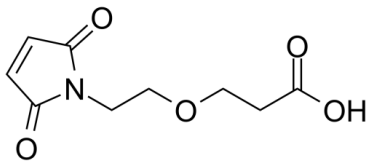
Data Sheet

Product Name:	Mal-PEG1-acid
Cat. No.:	CS-0108926
CAS No.:	760952-64-5
Molecular Formula:	$C_9H_{11}NO_5$
Molecular Weight:	213.19
Target:	ADC Linker; PROTAC Linkers
Pathway:	Antibody-drug Conjugate/ADC Related; PROTAC
Solubility:	DMSO : 100 mg/mL (469.07 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

Mal-PEG1-acid is is a non-cleavable 1 unit PEG **ADC** linker used in the synthesis of antibody-drug conjugates (ADCs). Mal-PEG1-acid is a PEG-based PROTAC linker can be used in the synthesis of PROTACs. **In Vitro:** 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].

References:

[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.

CAIndexNames:

Propanoic acid, 3-[2-(2,5-dihydro-2,5-dioxo-1H-pyrrol-1-yl)ethoxy]-

SMILES:

O=C(O)CCOCCN1C(C=CC1=O)=O

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

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