Mal-PEG1-acid

Cat. No.: HY-126960

CAS No.: 760952-64-5

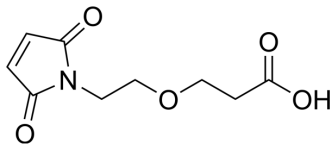
Molecular Formula: $C_9H_{11}NO_5$

Molecular Weight: 213.19

Target: PROTAC Linkers; ADC Linker

Pathway: PROTAC; Antibody-drug Conjugate/ADC Related

Storage: -20°C, protect from light
* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (469.07 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	4.6907 mL	23.4533 mL	46.9065 mL
	5 mM	0.9381 mL	4.6907 mL	9.3813 mL
	10 mM	0.4691 mL	2.3453 mL	4.6907 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

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.

IC_{50} & Target		
	PEGs	Non-cleavable Linker

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].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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.

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

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