Mal-PEG4-acid

Cat. No.: HY-126961

CAS No.: 518044-41-2

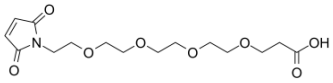
Molecular Formula: $C_{15}H_{23}NO_8$

Molecular Weight: 345.35

Target: PROTAC Linker

Pathway: PROTAC

Storage: Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (289.56 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.8956 mL	14.4781 mL	28.9561 mL
	5 mM	0.5791 mL	2.8956 mL	5.7912 mL
	10 mM	0.2896 mL	1.4478 mL	2.8956 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.5 mg/mL (7.24 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (7.24 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Mal-PEG4-acid is a PEG-based PROTAC linker can be used in the synthesis of PROTACs.

IC_{50} & Target

PEGs

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

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

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA