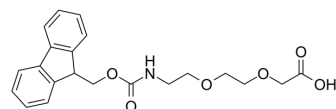


Fmoc-8-amino-3,6-dioxaoctanoic acid

Cat. No.:	HY-W007713		
CAS No.:	166108-71-0		
Molecular Formula:	C ₂₁ H ₂₃ NO ₆		
Molecular Weight:	385.41		
Target:	ADC Linkers; PROTAC Linkers		
Pathway:	Antibody-drug Conjugate/ADC Related; PROTAC		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 25 mg/mL (64.87 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.5946 mL	12.9732 mL	25.9464 mL
	5 mM	0.5189 mL	2.5946 mL	5.1893 mL
	10 mM	0.2595 mL	1.2973 mL	2.5946 mL

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

BIOLOGICAL ACTIVITY

Description

Fmoc-8-amino-3,6-dioxaoctanoic acid (Fmoc-NH-PEG2-CH₂COOH) is a cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs). Fmoc-8-amino-3,6-dioxaoctanoic acid is also a PEG-based PROTAC linker that can be used in the synthesis of PROTACs^[1].

IC₅₀ & Target

Cleavable	Alkyl/ether	PEGs
-----------	-------------	------

In Vitro

ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker. 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.

REFERENCES

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