Tetraethylene glycol monomethyl ether

Cat. No.: HY-W018365

CAS No.: 23783-42-8

Molecular Formula: $C_9H_{20}O_5$

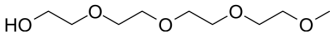
Molecular Weight: 208.25

Target: PROTAC Linkers

Pathway: PROTAC

Storage:

Pure form	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

H_2O : 100 mg/mL (480.19 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	4.8019 mL	24.0096 mL	48.0192 mL
	5 mM	0.9604 mL	4.8019 mL	9.6038 mL
	10 mM	0.4802 mL	2.4010 mL	4.8019 mL

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

BIOLOGICAL ACTIVITY

Description

Tetraethylene glycol monomethyl ether is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs[1].

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[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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