Azide-PEG-amine (MW 2000)

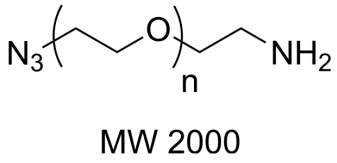
Cat. No.: HY-140661

Target: PROTAC Linkers

Pathway: PROTAC

Storage:

Powder	-20°C	3 years
In solvent	-80°C	6 months
	-20°C	1 month



MW 2000

SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (Need ultrasonic)

BIOLOGICAL ACTIVITY

Description	Azide-PEG-amine (MW 2000) is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs[1]. Azide-PEG-amine (MW 2000) is a click chemistry reagent, it contains an Azide group and can undergo copper-catalyzed azide-alkyne cycloaddition reaction (CuAAc) with molecules containing Alkyne groups. Strain-promoted alkyne-azide cycloaddition (SPAAC) can also occur with molecules containing DBCO or BCN groups.
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

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