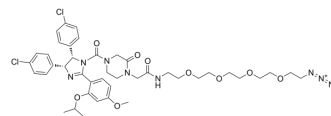


Nutlin-C1-amido-PEG4-C2-N3

Cat. No.:	HY-128832
Molecular Formula:	C ₄₂ H ₅₂ Cl ₂ N ₈ O ₉
Molecular Weight:	883.83
Target:	E3 Ligase Ligand-Linker Conjugates
Pathway:	PROTAC
Storage:	4°C, stored under nitrogen, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (113.14 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		1.1314 mL	5.6572 mL	11.3144 mL
		5 mM		0.2263 mL	1.1314 mL	2.2629 mL
	10 mM		0.1131 mL	0.5657 mL	1.1314 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 (2.83 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (2.83 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Nutlin-C1-amido-PEG4-C2-N3 is a synthesized E3 ligase ligand-linker conjugate that incorporates the Nutlin 3 based MDM2 ligand and 4-unit PEG linker used in PROTAC technology. Nutlin-C1-amido-PEG4-C2-N3 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.
IC₅₀ & Target	MDM2

REFERENCES

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

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