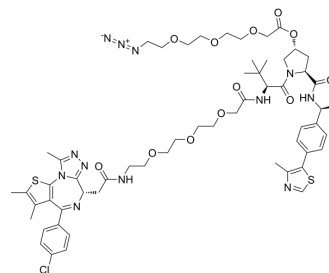


PROTAC BRD4 Degradator-5-CO-PEG3-N3

Cat. No.:	HY-133736		
CAS No.:	2704602-92-4		
Molecular Formula:	C ₅₈ H ₇₅ ClN ₁₂ O ₁₂ S ₂		
Molecular Weight:	1231.87		
Target:	PROTAC-Linker Conjugates for PAC; ADC Cytotoxin		
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 : 20 mg/mL (16.24 mM; Need ultrasonic)

Concentration	Solvent	Mass	Preparing Stock Solutions		
			1 mg	5 mg	10 mg
1 mM			0.8118 mL	4.0589 mL	8.1177 mL
5 mM			0.1624 mL	0.8118 mL	1.6235 mL
10 mM			0.0812 mL	0.4059 mL	0.8118 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: 75 mg/mL (60.88 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: 7.5 mg/mL (6.09 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2 mg/mL (1.62 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

PROTAC BRD4 Degradator-5-CO-PEG3-N3 (Compound 2) is a PROTAC-linker Conjugate for PAC, comprises the BRD4 degrader GNE-987 and PEG-based linker^[1]. PROTAC BRD4 Degradator-5-CO-PEG3-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.

REFERENCES

[1]. Mari A Maneiro, et al. Antibody-PROTAC Conjugates Enable HER2-Dependent Targeted Protein Degradation of BRD4. ACS Chem Biol. 2020 Jun 19;15(6):1306-1312.

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

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