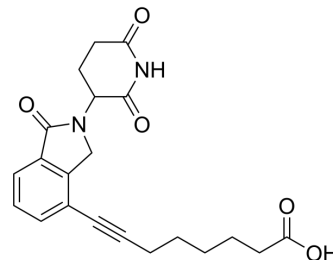


Lenalidomide-acetylene-C5-COOH

Cat. No.:	HY-129608		
CAS No.:	2429878-72-6		
Molecular Formula:	C ₂₁ H ₂₂ N ₂ O ₅		
Molecular Weight:	382.41		
Target:	E3 Ligase Ligand-Linker Conjugates		
Pathway:	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 : 115 mg/mL (300.72 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	2.6150 mL	13.0750 mL	26.1499 mL
	5 mM	0.5230 mL	2.6150 mL	5.2300 mL
	10 mM	0.2615 mL	1.3075 mL	2.6150 mL
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 5 mg/mL (13.07 mM); Suspended solution; Need ultrasonic Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 5 mg/mL (13.07 mM); Clear solution 			

BIOLOGICAL ACTIVITY

Description	Lenalidomide-acetylene-C5-COOH (compound 43; Cereblon ligand-linker Conjugate) is the Lenalidomide-based Cereblon ligand used in the recruitment of CRBN protein. Lenalidomide-acetylene-C5-COOH can be connected to the ligand for protein by a linker to form PROTAC ^[1] . Lenalidomide-acetylene-C5-COOH is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.
IC₅₀ & Target	Cereblon

REFERENCES

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

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