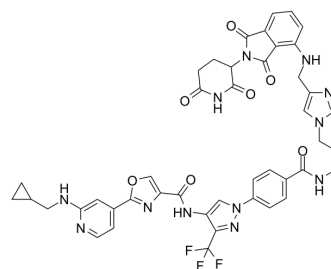


PROTAC IRAK4 degrader-1

Cat. No.:	HY-129966
CAS No.:	2360533-90-8
Molecular Formula:	C ₄₄ H ₃₉ F ₃ N ₁₂ O ₇
Molecular Weight:	904.85
Target:	PROTACs; IRAK
Pathway:	PROTAC; Immunology/Inflammation
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 110 mg/mL (121.57 mM; Need ultrasonic)				
		Solvent	Mass		
	Preparing Stock Solutions	Concentration	1 mg	5 mg	10 mg
		1 mM	1.1052 mL	5.5258 mL	11.0516 mL
5 mM		0.2210 mL	1.1052 mL	2.2103 mL	
	10 mM	0.1105 mL	0.5526 mL	1.1052 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: ≥ 5.25 mg/mL (5.80 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 5 mg/mL (5.53 mM); Suspended solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	PROTAC IRAK4 degrader-1 is a Cereblon-based PROTAC interleukin-1 receptor-associated kinase 4 (IRAK4) degrader extracted from patent US20190192668A1 Compound I-210, makes <20%, >20-50%, and >50% IRAK4 degradation at 0.01, 0.1, and 1 μM in OCI-LY-10 cells, respectively ^[1] .	
IC₅₀ & Target	IRAK4	Cereblon

REFERENCES

[1]. Nello Mainolfi, et al. Irak degraders and uses thereof. US20190192668A1.

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

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