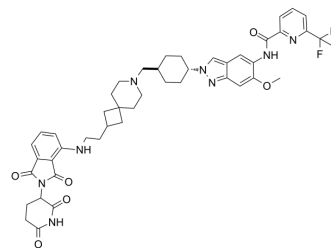


KTX-951

Cat. No.:	HY-148290		
CAS No.:	2573298-36-7		
Molecular Formula:	C ₄₆ H ₅₂ F ₂ N ₈ O ₆		
Molecular Weight:	850.95		
Target:	IRAK; PROTACs		
Pathway:	Immunology/Inflammation; 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 : 50 mg/mL (58.76 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.1752 mL	5.8758 mL	11.7516 mL
5 mM	0.2350 mL	1.1752 mL	2.3503 mL
10 mM	0.1175 mL	0.5876 mL	1.1752 mL

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

BIOLOGICAL ACTIVITY

Description

KTX-951 is a PROTAC targeting IRAK4 degradation (DC₅₀=18 nM). KTX-951 (10 mg/kg) shows the oral bioavailability (F%) of 22% in a rat model. KTX-951 has good anticancer potential^[1].

IC₅₀ & Target

IRAK4^[1].

REFERENCES

[1]. Walker D H, et al. Degradors targeting both IRAK4 and IMiD substrates show combinatorial effects leading to broader activity with durable and complete regressions in MYD88 mutant lymphoma xenografts in vivo. *Cancer Research*, 2020, 80(16_Supplement): 5222-5222.

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

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