KTX-951

Cat. No.: HY-148290

CAS No.: 2573298-36-7

Molecular Formula: $C_{46}H_{52}F_2N_8O_6$

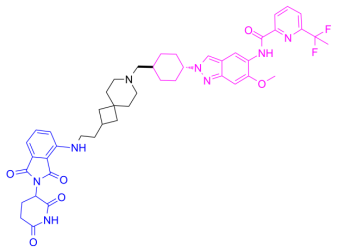
Molecular Weight: 850.95

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)

Preparing Stock Solutions

Concentration \ Solvent \ 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 (DC_{50}=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].

IC_{50} & Target

IRAK4[1].

REFERENCES

[1]. Walker D H, et al. Degraders 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.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA