PROTAC IRAK4 degrader-3

Cat. No.: HY-135382A

CAS No.: 2374122-43-5

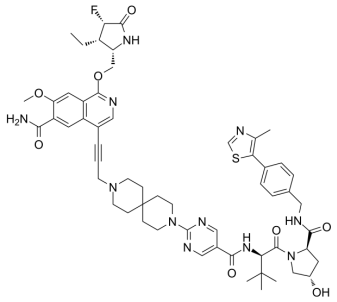
Molecular Formula: $C_{57}H_{68}FN_{11}O_8S$

Molecular Weight: 1086.28

Target: IRAK; PROTACs

Pathway: Immunology/Inflammation; PROTAC

Storage: -20°C, protect from light, stored under nitrogen
* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (92.06 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	0.9206 mL	4.6029 mL	9.2057 mL
	5 mM	0.1841 mL	0.9206 mL	1.8411 mL
	10 mM	0.0921 mL	0.4603 mL	0.9206 mL

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

BIOLOGICAL ACTIVITY

Description

PROTAC IRAK4 degrader-3 is a PROTAC-induced IRAK4 degrader based on von Hippel-Lindau[1].

IC_{50} & Target

IRAK4

In Vitro

PROTAC IRAK4 degrader-3 (0.01~10 μM; 2 hours; PBMCs) mediated degradation is occurring in a proteasome dependent manner[1].

PROTAC IRAK4 degrader-3 (0.01~100 μM; 18 hours; PBMCs) is capable of completely blocking IL-6 secretion[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Western Blot Analysis[1]

Cell Line:	PBMCs
Concentration:	0.01~10 μM
Incubation Time:	2 hours
Result:	IRAK4 PROTAC-mediated degradation was occurring in a proteasome dependent manner.

REFERENCES

[1]. Nunes J, et al. Targeting IRAK4 for Degradation with PROTACs. ACS Med Chem Lett. 2019;10(7):1081-1085. Published 2019 Jun 14.

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