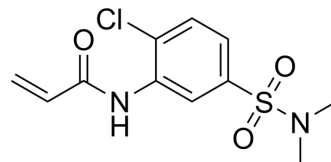


EN450

Cat. No.:	HY-49444		
CAS No.:	793719-01-4		
Molecular Formula:	C ₁₁ H ₁₃ ClN ₂ O ₃ S		
Molecular Weight:	288.75		
Target:	NF-κB; E1/E2/E3 Enzyme		
Pathway:	NF-κB; Metabolic Enzyme/Protease		
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 : 100 mg/mL (346.32 mM; Need ultrasonic)

Concentration	Solvent	Mass	1 mg	5 mg	10 mg
			1 mg	5 mg	10 mg
1 mM			3.4632 mL	17.3160 mL	34.6320 mL
5 mM			0.6926 mL	3.4632 mL	6.9264 mL
10 mM			0.3463 mL	1.7316 mL	3.4632 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: 2.5 mg/mL (8.66 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: 2.5 mg/mL (8.66 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: 2.5 mg/mL (8.66 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

EN450 is a cysteine-reactive covalent molecular glue degrader targeting NF-κB. EN450 interacts with allosteric C111 in the E2 ubiquitin ligase UBE2D. EN450 induces the ternary complex formation between UBE2D and NFKB1. EN450 exerts its anti-proliferative effects through a Cullin E3 ligase and proteasome-dependent mechanism^[1].

REFERENCES

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

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