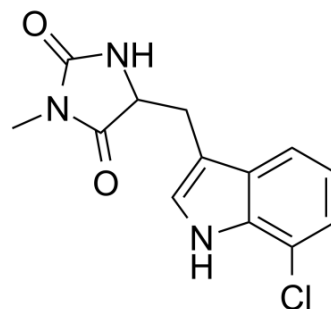


Necrostatin 2 racemate

Cat. No.:	HY-14622A		
CAS No.:	852391-15-2		
Molecular Formula:	C ₁₃ H ₁₂ ClN ₃ O ₂		
Molecular Weight:	277.71		
Target:	RIP kinase		
Pathway:	Apoptosis		
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 (180.04 mM)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.6009 mL	18.0044 mL	36.0088 mL
	5 mM	0.7202 mL	3.6009 mL	7.2018 mL
	10 mM	0.3601 mL	1.8004 mL	3.6009 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: ≥ 3 mg/mL (10.80 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: ≥ 3 mg/mL (10.80 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 3 mg/mL (10.80 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Necrostatin 2 racemate (Nec-1S), the Nec-1 stable, is a potent and specific RIPK1 inhibitor lacking the IDO-targeting effect^[1].

IC₅₀ & Target

RIPK1^[1]

REFERENCES

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

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