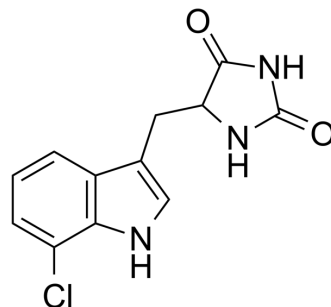


Necroptosis-IN-1

| | | | |
|---------------------------|---|-------|----------|
| Cat. No.: | HY-135826 | | |
| CAS No.: | 1391980-92-9 | | |
| Molecular Formula: | C ₁₂ H ₁₀ ClN ₃ O ₂ | | |
| Molecular Weight: | 263.68 | | |
| Target: | RIP kinase; Necroptosis | | |
| 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 : 100 mg/mL (379.25 mM; Need ultrasonic)

| Concentration | Solvent | Mass | | |
|---------------------------|---------|-----------|------------|------------|
| | | 1 mg | 5 mg | 10 mg |
| Preparing Stock Solutions | 1 mM | 3.7925 mL | 18.9624 mL | 37.9248 mL |
| | 5 mM | 0.7585 mL | 3.7925 mL | 7.5850 mL |
| | 10 mM | 0.3792 mL | 1.8962 mL | 3.7925 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: ≥ 2.08 mg/mL (7.89 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.08 mg/mL (7.89 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (7.89 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Necroptosis-IN-1, an analog of Necrostatin-1, is a potent necroptosis inhibitor. Necroptosis-IN-1 is a RIPK inhibitor^[1].

REFERENCES

[1]. Jenny L Maki, et al. Fluorescence polarization assay for inhibitors of the kinase domain of receptor interacting protein 1. Anal Biochem. 2012 Aug 15;427(2):164-74.

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

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