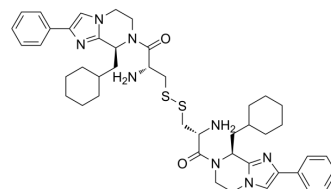


PH-064

| | |
|--------------------|--|
| Cat. No.: | HY-10499 |
| CAS No.: | 892546-37-1 |
| Molecular Formula: | C ₄₄ H ₅₈ N ₈ O ₂ S ₂ |
| Molecular Weight: | 795.11 |
| Target: | Others |
| Pathway: | Others |
| Storage: | Powder -20°C 3 years In solvent -80°C 6 months -20°C 1 month |



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (125.77 mM; Need ultrasonic)

| | Solvent Concentration | Mass | 1 mg | 5 mg | 10 mg |
|------------------------------|--------------------------|------|-----------|-----------|------------|
| | | | | | |
| Preparing Stock Solutions | 1 mM | | 1.2577 mL | 6.2884 mL | 12.5769 mL |
| | 5 mM | | 0.2515 mL | 1.2577 mL | 2.5154 mL |
| | 10 mM | | 0.1258 mL | 0.6288 mL | 1.2577 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 (3.14 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (3.14 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (3.14 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

PH-064 (BIM-46187) is an inhibitor of heterotrimeric G-protein complex.

REFERENCES

[1]. Favre-Guilmarc C, et al. The novel inhibitor of the heterotrimeric G-protein complex, BIM-46187, elicits anti-hyperalgesic properties and synergizes with morphine. Eur J Pharmacol. 2008 Oct 10;594(1-3):70-6.

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

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