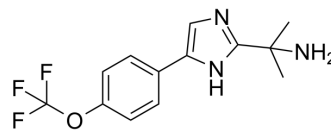


PF-04885614

| | | | |
|--------------------|---|-------|----------|
| Cat. No.: | HY-110325 | | |
| CAS No.: | 1480833-70-2 | | |
| Molecular Formula: | C ₁₃ H ₁₄ F ₃ N ₃ O | | |
| Molecular Weight: | 285.26 | | |
| Target: | Sodium Channel | | |
| Pathway: | Membrane Transporter/Ion Channel | | |
| 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 : 250 mg/mL (876.39 mM; Need ultrasonic)

| Concentration | Solvent | Mass | | |
|---------------------------|---------|-----------|------------|------------|
| | | 1 mg | 5 mg | 10 mg |
| Preparing Stock Solutions | 1 mM | 3.5056 mL | 17.5279 mL | 35.0557 mL |
| | 5 mM | 0.7011 mL | 3.5056 mL | 7.0111 mL |
| | 10 mM | 0.3506 mL | 1.7528 mL | 3.5056 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 (7.29 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.08 mg/mL (7.29 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (7.29 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

PF-04885614 is a potent NaV1.8 inhibitor, extracted from patent US2018328915. PF-04885614 has potential for neurological and neurodevelopmental diseases treatment^[1].

REFERENCES

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

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