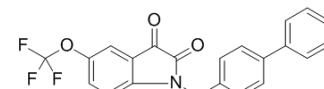


VU 0365114

| | | | |
|--------------------|--|-------|----------|
| Cat. No.: | HY-107651 | | |
| CAS No.: | 1208222-39-2 | | |
| Molecular Formula: | C ₂₂ H ₁₄ F ₃ NO ₃ | | |
| Molecular Weight: | 397.35 | | |
| Target: | mAChR | | |
| Pathway: | GPCR/G Protein; Neuronal Signaling | | |
| 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 : ≥ 77.5 mg/mL (195.04 mM)

H₂O : < 0.1 mg/mL (insoluble)

* "≥" means soluble, but saturation unknown.

| Preparing Stock Solutions | Solvent Mass | 1 mg | 5 mg | 10 mg |
|---------------------------|---------------|-----------|------------|------------|
| | Concentration | | | |
| | 1 mM | 2.5167 mL | 12.5834 mL | 25.1667 mL |
| | 5 mM | 0.5033 mL | 2.5167 mL | 5.0333 mL |
| | 10 mM | 0.2517 mL | 1.2583 mL | 2.5167 mL |

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

In Vivo

1. Add each solvent one by one: **10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline**

Solubility: ≥ 2.58 mg/mL (6.49 mM); Clear solution

2. Add each solvent one by one: **10% DMSO >> 90% corn oil**

Solubility: 2.58 mg/mL (6.49 mM); Clear solution; Need warming

BIOLOGICAL ACTIVITY

Description

VU 0365114 is a mAChR M₅ positive allosteric modulator, with an EC₅₀ of 2.7 μM.

IC₅₀ & Target

EC₅₀: 2.7 μM (mAChR M₅)^[1].

REFERENCES

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

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