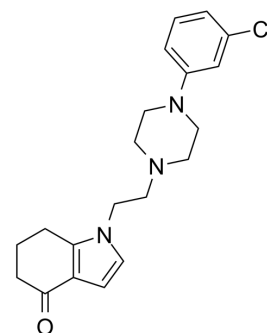


NEO 376

| | | | |
|---------------------------|--|-------|----------|
| Cat. No.: | HY-101583 | | |
| CAS No.: | 496921-73-4 | | |
| Molecular Formula: | C ₂₀ H ₂₄ ClN ₃ O | | |
| Molecular Weight: | 357.88 | | |
| Target: | 5-HT Receptor; GABA Receptor; Dopamine Receptor | | |
| Pathway: | GPCR/G Protein; Neuronal Signaling; 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 : 125 mg/mL (349.28 mM; ultrasonic and warming and heat to 60°C)

| Preparing Stock Solutions | Solvent Concentration | Mass | | |
|---------------------------|-----------------------|-----------|------------|------------|
| | | 1 mg | 5 mg | 10 mg |
| | 1 mM | 2.7942 mL | 13.9712 mL | 27.9423 mL |
| | 5 mM | 0.5588 mL | 2.7942 mL | 5.5885 mL |
| | 10 mM | 0.2794 mL | 1.3971 mL | 2.7942 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 (5.81 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.08 mg/mL (5.81 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (5.81 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

NEO 376 is a selective modulator of 5-HT₁ receptor, GABA receptor and dopamine receptor, with anti-psychotic actively.

IC₅₀ & Target

5-HT₁ Receptor

GABA Receptor

Dopamine Receptor

REFERENCES

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA