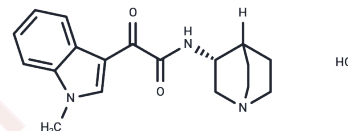


RS 56812 hydrochloride

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 143339-12-2 |
| Formula: | C ₁₈ H ₂₂ ClN ₃ O ₂ |
| Molecular Weight: | 347.84 |
| Storage: | Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA. |



Biological Description

| | |
|----------------------------|---|
| Description | RS 56812 hydrochloride is a 5-HT ₃ receptor antagonist and agonist, and may be used in the study of cognitive disorders. |
| Targets(IC ₅₀) | 5-HT Receptor |

Solubility Information

| | |
|------------|---|
| Solubility | H ₂ O: 15 mg/mL (43.12 mM), Sonication is recommended. DMSO: 15 mg/mL (43.12 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.8749 mL | 14.3744 mL | 28.7489 mL |
| 5 mM | 0.575 mL | 2.8749 mL | 5.7498 mL |
| 10 mM | 0.2875 mL | 1.4374 mL | 2.8749 mL |
| 50 mM | 0.0575 mL | 0.2875 mL | 0.575 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Terry AV Jr, et al. The 5-HT₃ receptor antagonist, RS-56812, enhances delayed matching performance in monkeys. *Neuroreport*. 1996 Dec 20;8(1):49-54.
- Boakye PA, et al. 5-HT(3) and 5-HT(4) receptors contribute to the anti-motility effects of *Garcinia buchananii* bark extract in the guinea-pig distal colon. *Neurogastroenterol Motil*. 2012 Jan;24(1):e27-40.

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