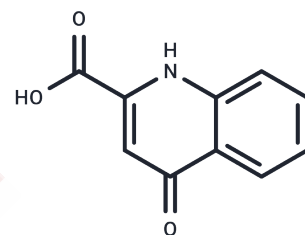


Transtorine

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 13593-94-7 |
| Formula: | C ₁₀ H ₇ NO ₃ |
| Molecular Weight: | 189.17 |
| 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 | Transtorine (1,4-DIHYDRO-4-OXOQUINOLINE-2-CARBOXYLIC ACID) is a GluR and NMDA inhibitor. |
| Targets(IC50) | Antibacterial, GluR, NMDAR |

Solubility Information

| | |
|------------|---|
| Solubility | DMSO: 4 mg/mL (21.15 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 5.2863 mL | 26.4313 mL | 52.8625 mL |
| 5 mM | 1.0573 mL | 5.2863 mL | 10.5725 mL |
| 10 mM | 0.5286 mL | 2.6431 mL | 5.2863 mL |
| 50 mM | 0.1057 mL | 0.5286 mL | 1.0573 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

Wade JJ, Erickson E H, Hegel R F, et al. Antiallergic activity of tetracyclic derivatives of quinoline-2-carboxylic acids. 1.[J]. Journal of Medicinal Chemistry, 1979, 10(10):no-no.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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