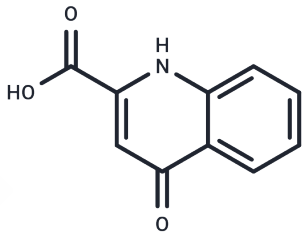
Data Sheet (Cat.No.T8626)

TargetMol

Transtorine

Chemical Properties



CAS No. : 13593-94-7

Formula: C10H7NO3

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: 12.14 mg/mL (64.18 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 1.21 mg/mL (6.4 mM),Solution. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

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 J J , 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.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481