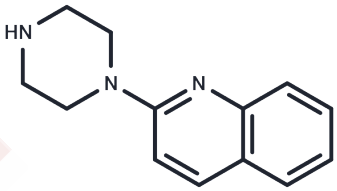
Data Sheet (Cat.No.T73341)

TargetMol

Quipazine

Chemical Properties



CAS No. : 4774-24-7

Formula: C13H15N3

Molecular Weight: 213.28

Storage: Keep away from direct sunlight
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	Quipazine is a non-selective 5-HT receptor agonist. It stimulates central serotonin receptors to induce serotonin syndrome in animal models, utilized for studying behavioral regulation and sleep cycle control.
Targets(IC50)	5-HT Receptor
In vitro	Quipazine efficiently displaces 5-HT3R ligands in rat brain [4]. Quipazine can act as a photosensitizer to block SARS-CoV-2 main protease [2].
In vivo	Quipazine (2.5-7.5 mg/kg i.p.) significantly alters dietary self-selection of macronutrients in rats [1].

Solubility Information

Solubility	DMSO: 6.6 mg/mL (30.95 mM),Sonication is recommmended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.6887 mL	23.4434 mL	46.8867 mL
5 mM	0.9377 mL	4.6887 mL	9.3773 mL
10 mM	0.4689 mL	2.3443 mL	4.6887 mL
50 mM	0.0938 mL	0.4689 mL	0.9377 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

Jaime D Blais, et al. A small molecule inhibitor of endoplasmic reticulum oxidation 1 (ERO1) with selectively reversible thiol reactivity. J Biol Chem. 2010 Jul 2;285(27):20993-1003.

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