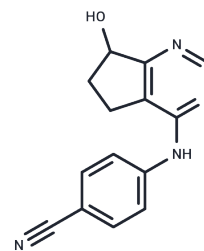


RS 8359

Chemical Properties

CAS No. : 105365-76-2
 Formula: C₁₄H₁₂N₄O
 Molecular Weight: 252.27
 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 8359 is a reversible inhibitor of monoamine oxidase A (MAO-A) with a selectivity ratio of about 2200 for the A:B enzyme types. RS 8359 has antidepressant activity.
Targets(IC50)	MAO, Monoamine Oxidase
In vivo	RS 8359 demonstrates minimal impact on blood pressure when co-administered with tyramine, effectively mitigating the 'cheese' effect associated with traditional monoamine oxidase inhibitors, and exhibits low affinity for central nervous system receptors and minimal anticholinergic effects[1].

Solubility Information

Solubility	DMSO: 48 mg/mL (190.27 mM), Sonication and heating to 80°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.964 mL	19.820 mL	39.6401 mL
5 mM	0.7928 mL	3.964 mL	7.928 mL
10 mM	0.3964 mL	1.982 mL	3.964 mL
50 mM	0.0793 mL	0.3964 mL	0.7928 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

Iwata N, et al. Pharmacology of the new reversible inhibitor of monoamine oxidase A, RS-8359. Int Clin Psychopharmacol. 1997 Sep;12 Suppl 5:S3-10.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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