

Alloxazine

Chemical Properties

CAS No. :	490-59-5
Formula:	C10H6N4O2
Molecular Weight:	214.18
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	Alloxazine (Isoalloxazine) is an A2 receptor antagonist, which is approximately 10-fold more selective for the A2B receptor than for the A2A receptor.
Targets(IC50)	Adenosine Receptor

Solubility Information

Solubility	DMSO: 10.00 mg/mL (46.69 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.669 mL	23.3449 mL	46.6897 mL
5 mM	0.9338 mL	4.669 mL	9.3379 mL
10 mM	0.4669 mL	2.3345 mL	4.669 mL
50 mM	0.0934 mL	0.4669 mL	0.9338 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

Burki Rajendar, et al. Alloxazine as a ligand for selective binding to adenine opposite AP sites in DNA duplexes and analysis of single-nucleotide polymorphisms. Org Biomol Chem . 2008 Feb 21;6(4):670-3.

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