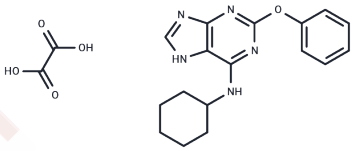
Data Sheet (Cat.No.T12107)

TargetMol

MRS-3777 hemioxalate

Chemical Properties



CAS No. : 1186195-57-2

Formula: C17H19N5O.1/2C2H2O4

Molecular Weight: 354.39

Storage: Store at low temperature,Store under nitrogen
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	MRS-3777 hemioxalate, a selective adenosine A3 receptor antagonist, reverses the anti-injury perception effects of its corresponding agonist and serves as a valuable tool for studying inflammatory pain.
Targets(IC50)	Adenosine Receptor

Solubility Information

Solubility	DMSO: 80 mg/mL (225.74 mM),Sonication is recommended. H2O: <0.1 mg/mL (insoluble) (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 3.3 mg/mL (9.31 mM),Sonication is recommended. *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	2.8218 mL	14.1088 mL	28.2175 mL
5 mM	0.5644 mL	2.8218 mL	5.6435 mL
10 mM	0.2822 mL	1.4109 mL	2.8218 mL
50 mM	0.0564 mL	0.2822 mL	0.5644 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

Nascimento FP, et al. Inosine reduces pain-related behavior in mice: involvement of adenosine A1 and A2A receptorsubtypes and protein kinase C pathways. J Pharmacol Exp Ther. 2010 Aug;334(2):590-8.

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