

MRS 1754

Chemical Properties

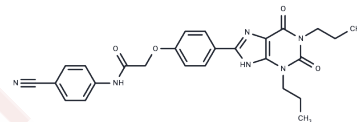
CAS No. : 264622-58-4

Formula: C₂₆H₂₆N₆O₄

Molecular Weight: 486.52

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	MRS 1754 is a selective antagonist radioligand for the A2B adenosine receptor, exhibiting very low affinity for A1 and A3 receptors in both humans and rats.
Targets(IC50)	Adenosine Receptor
In vitro	The K _i value for displacement of [3H]MRS 1754 binding to human A2B receptors expressed in HEK-293 cell membranes is 1.45±0.21 nM. The most effective displacer of [3H]MRS 1754 binding is MRS 1754. .

Solubility Information

Solubility	DMSO: < 1 mg/mL (insoluble or slightly soluble), 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	2.0554 mL	10.2771 mL	20.5541 mL
5 mM	0.4111 mL	2.0554 mL	4.1108 mL
10 mM	0.2055 mL	1.0277 mL	2.0554 mL
50 mM	0.0411 mL	0.2055 mL	0.4111 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

Ji X, et al. [3H]MRS 1754, a selective antagonist radioligand for A(2B) adenosine receptors. *Biochem Pharmacol.* 2001 Mar 15;61(6):657-63.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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