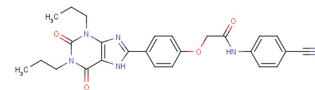


MRS 1754

Chemical Properties

CAS No.:	264622-58-4
Formula:	C ₂₆ H ₂₆ N ₆ O ₄
Molecular Weight:	486.52
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	MRS 1754 is a selective antagonist radioligand for the A2B adenosine receptor. It has a very low affinity for A1 and A3 receptors of both humans and rats.
Targets(IC ₅₀)	A2B Adenosine Receptor: None
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: 15 mg/mL (30.83 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.055 mL	10.277 mL	20.554 mL
5 mM	0.411 mL	2.055 mL	4.111 mL
10 mM	0.206 mL	1.028 mL	2.055 mL
50 mM	0.041 mL	0.206 mL	0.411 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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.

Inhibitors · Natural Compounds · Compound Libraries

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