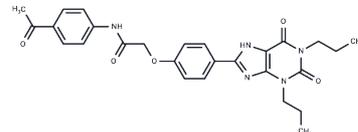


MRS-1706

Chemical Properties

CAS No. : 264622-53-9
 Formula: C₂₇H₂₉N₅O₅
 Molecular Weight: 503.55
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year


Biological Description

Description	MRS-1706 has Ki values of 1.39, 112, 157, and 230 nM for human A2B, A2A, A1, and A3 receptors respectively. MRS-1706 is an effective and selective adenosine A2B receptor inverse agonist.
Targets(IC50)	Adenosine Receptor

Solubility Information

Solubility	DMSO: 6.4 mg/mL (12.71 mM), Sonication and heating are recommended. H ₂ O: < 0.1 mg/mL (insoluble), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9859 mL	9.9295 mL	19.859 mL
5 mM	0.3972 mL	1.9859 mL	3.9718 mL
10 mM	0.1986 mL	0.993 mL	1.9859 mL
50 mM	0.0397 mL	0.1986 mL	0.3972 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.

Reference

Li Q, et al. ZM241385, DPCPX, MRS1706 are inverse agonists with different relative intrinsic efficacies on constitutively active mutants of the human adenosine A2B receptor. J Pharmacol Exp Ther. 2007 Feb;320(2):637-

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