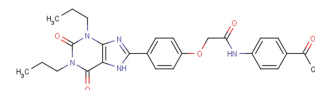


MRS-1706

Chemical Properties

CAS No.:	264622-53-9
Formula:	C ₂₇ H ₂₉ N ₅ O ₅
Molecular Weight:	503.55
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



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(IC ₅₀)	human A2B receptor: (ki)1.39 human A2A receptor: 112(ki) human A1 receptor: 157(ki) human A3 receptor: 230 nM

Solubility Information

Solubility	DMSO: 6.4 mg/mL (12.71 mM) 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	1.986 mL	9.930 mL	19.859 mL
5 mM	0.397 mL	1.986 mL	3.972 mL
10 mM	0.199 mL	0.993 mL	1.986 mL
50 mM	0.040 mL	0.199 mL	0.397 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

- 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):637-45.
- Desai A, et al. Adenosine A2A receptor stimulation increases angiogenesis by down-regulating production of the antiangiogenic matrix protein thrombospondin 1. *Mol Pharmacol.* 2005 May;67(5):1406-13.

Inhibitors · Natural Compounds · Compound Libraries

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