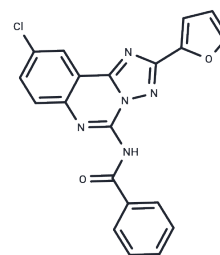


MRS1177

Chemical Properties

CAS No. : 183721-13-3
 Formula: C₂₀H₁₂ClN₅O₂
 Molecular Weight: 389.79
 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	MRS1177 is an effective and selective antagonist of the human Adenosine A3 receptor (hA3AR) (K _i : 0.3 nM).
Targets(IC50)	MMP, Adenosine Receptor
In vitro	The K _i value of MRS1177 with hA3AR is 0.3 nM [1][2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5655 mL	12.8274 mL	25.6548 mL
5 mM	0.5131 mL	2.5655 mL	5.131 mL
10 mM	0.2565 mL	1.2827 mL	2.5655 mL
50 mM	0.0513 mL	0.2565 mL	0.5131 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

- Tafi A, et al. Pharmacophore based receptor modeling: the case of adenosine A3 receptor antagonists. An approach to the optimization of protein models. J Med Chem. 2006 Jul 13;49(14):4085-97.
 Cheong SL, et al. Pharmacophore elucidation for a new series of 2-aryl-pyrazolo-triazolo-pyrimidines as potent human A3 adenosine receptor antagonists. Bioorg Med Chem Lett. 2011 May 15;21(10):2898-905.

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