
Product Data Sheet

Product Name: MRS1177

Cat. No.: GC33652

Chemical Properties

Cas. No. 183721-13-3

SMILES O=C(C1=CC=CC=C1)NC2=NC3=C(C4=NC(C5=CC=CO5)=NN24)C=C(C=C3)ClFormula $C_{20}H_{12}ClN_5O_2$ M.Wt 389.79

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure **Background**

MRS1177 is a potent and selective human Adenosine A3 receptor (hA3AR) antagonist, with a K_i of 0.3 nM.

MRS1177 (compound 2b) is a potent and selective human Adenosine A3 receptor (hA3AR) antagonist[1]. The K_i value of MRS1177 (compound 55) with hA3AR is 0.3 nM[2].

[1]. 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. [2]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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