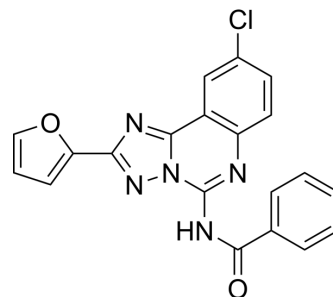


MRS1177

| | |
|--------------------|---|
| Cat. No.: | HY-120090 |
| CAS No.: | 183721-13-3 |
| Molecular Formula: | C ₂₀ H ₁₂ ClN ₅ O ₂ |
| Molecular Weight: | 389.79 |
| Target: | Adenosine Receptor |
| Pathway: | GPCR/G Protein |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | |
|---------------------------|--|
| Description | MRS1177 is a potent and selective human Adenosine A3 receptor (hA ₃ AR) antagonist, with a K _i of 0.3 nM. |
| IC ₅₀ & Target | Ki: 0.3 nM (hA ₃ AR) ^{[1][2]} . |
| In Vitro | MRS1177 (compound 2b) is a potent and selective human Adenosine A3 receptor (hA ₃ AR) antagonist ^[1] . The K _i value of MRS1177 (compound 55) with hA ₃ AR is 0.3 nM ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

REFERENCES

[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.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA