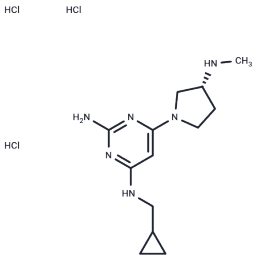
Data Sheet (Cat.No.T12435)

TargetMol

Adriforant hydrochloride

Chemical Properties



CAS No. : 2096455-90-0

Formula: C13H25Cl3N6

Molecular Weight: 371.74

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	Adriforant hydrochloride is an antagonist of histamine H4 receptor.
Targets(IC50)	Others
In vitro	Adriforant in vitro IC50 on human native isolated eosinophils assessing actin polymerisation is 1.16 nM and assuming need 10 times the IC50 for >90% receptor occupancy (and therefore near complete inhibition of the response) suggested a concentration of 12 nM. The data in the whole blood GAFS assay demonstrates that the imetit induced shape change is completely blocked at a total blood concentration of 30 nM (which correcting for PPB and blood partitioning equates to approximately 10 nM free). For the purpose of dose projection and safety margin calculation, a Ceff/Cmin concentration of 10-15 nM is used

Solubility Information

Solubility	DMSO: 83.33 mg/mL (224.16 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6901 mL	13.4503 mL	26.9005 mL
5 mM	0.538 mL	2.6901 mL	5.3801 mL
10 mM	0.269 mL	1.345 mL	2.6901 mL
50 mM	0.0538 mL	0.269 mL	0.538 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

Mowbray CE, et al. Challenges of drug discovery in novel target space. The discovery and evaluation of PF-3893787: a novel histamine H4 receptor antagonist. Bioorg Med Chem Lett. 2011 Nov 1;21(21):6596-602.

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481