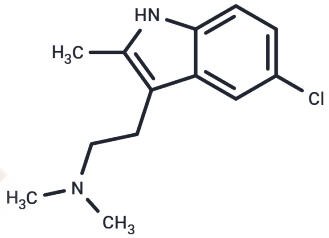
Data Sheet (Cat.No.T23396)

TargetMol

ST1936

Chemical Properties



CAS No. : 1210-81-7

Formula: C13H17ClN2

Molecular Weight: 236.74

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	ST1936 (ST 1936 oxalate) is a selective and highly potent 5-HT6 receptor agonist that inhibits human 5-HT6, 5-HT7 and 5-HT2B receptors by fully activating cloned human 5-HT6 receptors. body to stimulate cAMP, Ca2+, ERK1/2 and Fyn kinase.
Targets(IC50)	5-HT Receptor,Adrenergic Receptor

Solubility Information

Solubility	DMSO: 80 mg/mL (337.92 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (13.94 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.224 mL	21.1202 mL	42.2404 mL
5 mM	0.8448 mL	4.224 mL	8.4481 mL
10 mM	0.4224 mL	2.112 mL	4.224 mL
50 mM	0.0845 mL	0.4224 mL	0.8448 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

Borsini F, et al. Effects of ST1936, a selective serotonin-6 agonist, on electrical activity of putative mesencephalic dopaminergic neurons in the rat brain. J Psychopharmacol. 2015 Jul;29(7):802-11.
Riccioni T, et al. ST1936 stimulates cAMP, Ca2+, ERK1/2 and Fyn kinase through a full activation of cloned human 5-HT6 receptors. Eur J Pharmacol. 2011;661(1-3):8-14.
Tassone A, et al. Activation of 5-HT6 receptors inhibits corticostriatal glutamatergic transmission. Neuropharmacology. 2011;61(4):632-637.
Valentini V, et al. A microdialysis study of ST1936, a novel 5-HT6 receptor agonist. Neuropharmacology. 2011;60 (4):602-608.

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