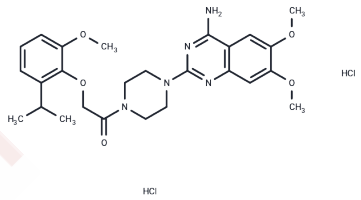
Data Sheet (Cat.No.T37794)

TargetMol

Rec 15/2615 (hydrochloride)

Chemical Properties



CAS No. :	1782573-48-1
Formula:	C26H35Cl2N5O5
Molecular Weight:	568.49
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	Rec 15/2615 is an antagonist of α1B-adrenergic receptors (α1B-ARs; Ki = 0.45 nM for the recombinant human receptor).1 It selectively inhibits α1B-ARs over α1A-, α1D-, and α1L-ARs (Kis = 7.59, 10.23, and 49 nM, respectively). Rec 15/2615 inhibits norepinephrine-induced contractions of isolated rabbit prostate and urethral strips (Kis = 100 and 316.2 nM, respectively), as well as reduces norepinephrine-induced contractions of chloroethylclonidine-precontracted isolated rabbit aortic rings (Ki = 50 nM).2 It decreases diastolic blood pressure (ED25 = 183 μg/kg, i.v.) and increases intracavernous pressure in anesthetized dogs when administered intracavernously at doses ranging from 30 and 1,000 μg/kg.1,2
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 100 mM,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.759 mL	8.7952 mL	17.5905 mL
5 mM	0.3518 mL	1.759 mL	3.5181 mL
10 mM	0.1759 mL	0.8795 mL	1.759 mL
50 mM	0.0352 mL	0.1759 mL	0.3518 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

Sironi, G., Colombo, D., Poggesi, E., et al. Effects of intracavernous administration of selective antagonists of α1-adrenoceptor subtypes on erection in anesthetized rats and dogs. J. Pharmacol. Exp. Ther. 292(3), 974-981 (2000).
Testa, R., Guarneri, L., Angelico, P., et al. Pharmacological characterization of the uroselective alpha-1 antagonist Rec 15/2739 (SB 216469): Role of the alpha-1L adrenoceptor in tissue selectivity, part II. J. Pharmacol. Exp. Ther. 281(3), 1284-1293 (1997).

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