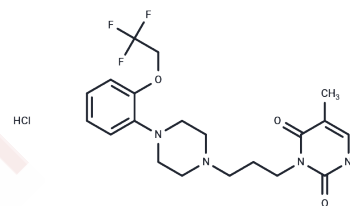


## RS100329 hydrochloride

## Chemical Properties

CAS No. :	1215654-26-4
Formula:	C <sub>20</sub> H <sub>26</sub> ClF <sub>3</sub> N <sub>4</sub> O <sub>3</sub>
Molecular Weight:	462.89
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	RS100329 hydrochloride is an antagonist of $\alpha$ 1A-adrenergic receptor.
Targets(IC50)	Adrenergic Receptor
In vitro	In intact CHO-K1 cells expressing human cloned alpha1A-, alpha1B- and alpha1D-AR showed nanomolar affinity and significant alpha1A-AR subtype selectivity for RS 100329 hydrochloride (pKi 9.6: 126 and 50 fold selectivity) over the alpha1B- and alpha1D-AR subtypes respectively. Noradrenaline-induced contractions of human lower urinary tract (LUT) tissues or rabbit bladder neck were competitively antagonized by RS 100329 hydrochloride (pA2 9.2 and 9.2)[1].

## Solubility Information

Solubility	H <sub>2</sub> O: 40 mg/mL (86.41 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1603 mL	10.8017 mL	21.6034 mL
5 mM	0.4321 mL	2.1603 mL	4.3207 mL
10 mM	0.216 mL	1.0802 mL	2.1603 mL
50 mM	0.0432 mL	0.216 mL	0.4321 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

Williams TJ, et al. In vitro alpha1-adrenoceptor pharmacology of Ro 70-0004 and RS-100329, novel alpha1A-adrenoceptor selective antagonists. Br J Pharmacol. 1999 May;127(1):252-8.

Ribeiro CA, Pupo AS. Involvement of  $\alpha$ 1B-adrenoceptors in the anti-immobility effect of imipramine in the tail suspension test. Eur J Pharmacol. 2015 Mar 5;750:39-42.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481