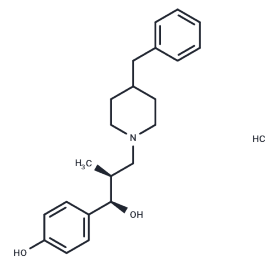


Ro 25-6981 HCl

## Chemical Properties

CAS No. : 919289-58-0  
 Formula: C<sub>22</sub>H<sub>30</sub>ClNO<sub>2</sub>  
 Molecular Weight: 375.93  
 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	Ro 25-6981 HCl is an effective and selective NMDA glutamate receptors containing the NR2B subunit antagonist.
Targets(IC50)	Others, iGluR

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6601 mL	13.3003 mL	26.6007 mL
5 mM	0.532 mL	2.6601 mL	5.3201 mL
10 mM	0.266 mL	1.330 mL	2.6601 mL
50 mM	0.0532 mL	0.266 mL	0.532 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

Maranis S, Stamatis D, Tsironis C, Konitsiotis S. Investigation of the antidyskinetic site of action of metabotropic and ionotropic glutamate receptor antagonists. Intracerebral infusions in 6-hydroxydopamine-lesioned rats with levodopa-induced dyskinesia. *Eur J Pharmacol.* 2012 May 15;683(1-3):71-7. doi: 10.1016/j.ejphar.2012.02.036. Epub 2012 Mar 4. PubMed PMID: 22410193.

Gagolewicz PJ, Dringenberg HC. NR2B-subunit dependent facilitation of long-term potentiation in primary visual cortex following visual discrimination training of adult rats. *Eur J Neurosci.* 2011 Oct;34(8):1222-9. doi: 10.1111/j.1460-9568.2011.07842.x. Epub 2011 Sep 6. PubMed PMID: 21895803.

Rammes G, Hasenjäger A, Sroka-Saidi K, Deussing JM, Parsons CG. Therapeutic significance of NR2B-containing NMDA receptors and mGluR5 metabotropic glutamate receptors in mediating the synaptotoxic effects of  $\beta$ -amyloid oligomers on long-term potentiation (LTP) in murine hippocampal slices. *Neuropharmacology.* 2011 May;60(6):982-90. doi: 10.1016/j.neuropharm.2011.01.051. Epub 2011 Feb 12. PubMed PMID: 21310164.

Haseneder R, Kratzer S, Kochs E, Höfelmann D, Auberson Y, Eder M, Rammes G. The xenon-mediated antagonism against the NMDA receptor is non-selective for receptors containing either NR2A or NR2B subunits in the mouse amygdala. *Eur J Pharmacol.* 2009 Oct 1;619(1-3):33-7. doi: 10.1016/j.ejphar.2009.08.011. Epub 2009 Aug 15. PubMed PMID: 19686722.

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