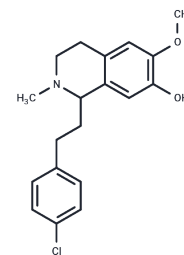


Ro 04-5595 free base

## Chemical Properties

CAS No. : 194089-07-1  
 Formula: C<sub>19</sub>H<sub>22</sub>ClNO<sub>2</sub>  
 Molecular Weight: 331.84  
 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 04-5595 is a selective antagonist of NMDA receptors NR2B subunits. Ro 04-5595 had an EC 50 of 186 ± 32 nmol/L. Ro 04-5595 was predicted to bind the EVT-101 binding site, not the ifenprodil-binding site. Specific binding, defined with a new NR2B-specific antagonist Ro 04-5595 at 10 microM was fully inhibited by several compounds with the following rank order of affinities--Ro 25-6981 > CP-101,606 > Ro 04-5595 = ifenprodil >> eliprodil > haloperidol > spermine > spermidine > MgCl <sub>2</sub> > CaCl <sub>2</sub> --and partially inhibited by competitive glutamate recognition site antagonists. Complementary high-resolution autoradiographic images using [3H]Ro04-5595 demonstrated strong binding in NR2B receptor-rich regions and low binding in cerebellum where NR2B concentration is low.
Targets(IC50)	Others,iGluR

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0135 mL	15.0675 mL	30.135 mL
5 mM	0.6027 mL	3.0135 mL	6.027 mL
10 mM	0.3014 mL	1.5068 mL	3.0135 mL
50 mM	0.0603 mL	0.3014 mL	0.6027 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

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