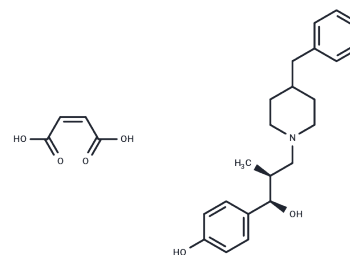


Ro 25-6981 Maleate

Chemical Properties

CAS No. :	1312991-76-6
Formula:	C ₂₆ H ₃₃ N ₂ O ₆
Molecular Weight:	455.54
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Ro 25-6981 Maleate is a potent and selective activity-dependent NMDA receptors blocker containing the NR2B subunit.(IC ₅₀ values are 0.009 and 52 μM for cloned receptor subunit combinations NR1C/NR2B and NR1C/NR2A respectively).
Targets(IC ₅₀)	Others

Solubility Information

Solubility	H ₂ O: 8.33 mg/mL (18.29 mM), Sonication and heating to 45°C are recommended. DMSO: 61 mg/mL (133.91 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1952 mL	10.976 mL	21.952 mL
5 mM	0.439 mL	2.1952 mL	4.3904 mL
10 mM	0.2195 mL	1.0976 mL	2.1952 mL
50 mM	0.0439 mL	0.2195 mL	0.439 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.

Reference

Fischer G, et al. Ro 25-6981, a highly potent and selective blocker of N-methyl-D-aspartate receptors containing the NR2B subunit. Characterization in vitro. J Pharmacol Exp Ther. 1997 Dec;283(3):1285-92.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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