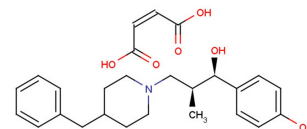


Ro 25-6981 Maleate

Chemical Properties

CAS No.:	1312991-76-6
Formula:	C ₂₆ H ₃₃ NO ₆
Molecular Weight:	455.54
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**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 μ M for cloned receptor subunit combinations NR1C/NR2B and NR1C/NR2A respectively).
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	DMSO: 61 mg/mL (133.91 mM) H ₂ O: 8.33 mg/mL (18.29 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.195 mL	10.976 mL	21.952 mL
5 mM	0.439 mL	2.195 mL	4.39 mL
10 mM	0.22 mL	1.098 mL	2.195 mL
50 mM	0.044 mL	0.22 mL	0.439 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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.
2. Lynch DR, et al. Pharmacological characterization of interactions of RO 25-6981 with the NR2B (epsilon2) subunit. Eur J Pharmacol. 2001 Mar 30;416(3):185-95.
3. Jiang M, et al. Antinociception and prevention of hyperalgesia by intrathecal administration of Ro 25-6981, a highly selective antagonist of the 2B subunit of N-methyl-D-aspartate receptor. Pharmacol Biochem Behav. 2013 Nov;112:56-63.

Inhibitors · Natural Compounds · Compound Libraries

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