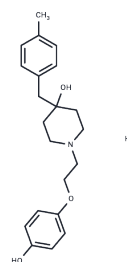


Co 101244 hydrochloride

Chemical Properties

CAS No. :	193356-17-1
Formula:	C ₂₁ H ₂₈ ClNO ₃
Molecular Weight:	377.9
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Co 101244 hydrochloride (4-Piperidinol, 1-[2-(4-hydroxyphenoxy)ethyl]-4-[(4-Methylphenyl)Methyl]-,hydrochloride) is an NR2B-containing NMDA receptor antagonist.
Targets(IC50)	NMDAR
In vitro	Co 101244 enhances neuroprotection and reduces NMDA-evoked Ca ²⁺ elevations effectively [1].
In vivo	Administration of 1 mg/kg s.c. Co 101244 displayed antidyskinetic effects with the reduction of 67% while sparing levodopa motor benefit[1].

Solubility Information

Solubility	H ₂ O: < 35 mg/mL (92.62mM) DMSO: 50 mg/mL (132.31 mM) < 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6462 mL	13.231 mL	26.462 mL
5 mM	0.5292 mL	2.6462 mL	5.2924 mL
10 mM	0.2646 mL	1.3231 mL	2.6462 mL
50 mM	0.0529 mL	0.2646 mL	0.5292 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

Ruslan I Stanika, et al. Coupling diverse routes of calcium entry to mitochondrial dysfunction and glutamate excitotoxicity. Proc Natl Acad Sci U S A. 2009 Jun 16;106(24):9854-9.

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