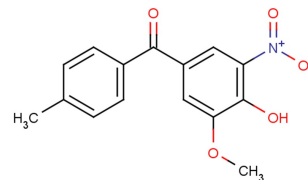


3-O-Methyltolcapone

Chemical Properties

CAS No.:	134612-80-9
Formula:	C ₁₅ H ₁₃ NO ₅
Molecular Weight:	287.27
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	3-O-Methyltolcapone (Ro 40-7591) is a metabolite of Tolcapone which is a potent COMT inhibitor. Tolcapone crosses the blood-brain barrier and can be used for treatment of Parkinson's disease.
Targets(IC ₅₀)	COMT: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.481 mL	17.405 mL	34.81 mL
5 mM	0.696 mL	3.481 mL	6.962 mL
10 mM	0.348 mL	1.741 mL	3.481 mL
50 mM	0.07 mL	0.348 mL	0.696 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. Jorga K, et al. Metabolism and excretion of tolcapone, a novel inhibitor of catechol-O-methyltransferase. Br J Clin Pharmacol. 1999 Oct;48(4):513-20.
2. Ceravolo R, et al. 18F-dopa PET evidence that tolcapone acts as a central COMT inhibitor in Parkinson's disease. Synapse. 2002 Mar 1;43(3):201-7.

Inhibitors · Natural Compounds · Compound Libraries

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