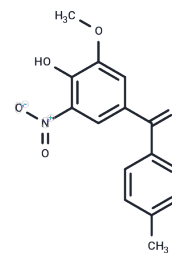


## 3-O-Methyltolcapone

## Chemical Properties

CAS No. :	134612-80-9
Formula:	C <sub>15</sub> H <sub>13</sub> NO <sub>5</sub>
Molecular Weight:	287.27
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	3-O-Methyltolcapone (Ro 40-7591), a metabolite of Tolcapone, is a potent COMT inhibitor that crosses the blood-brain barrier and can be used for the treatment of Parkinson's disease.
Targets(IC50)	Transferase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.481 mL	17.4052 mL	34.8105 mL
5 mM	0.6962 mL	3.481 mL	6.9621 mL
10 mM	0.3481 mL	1.7405 mL	3.481 mL
50 mM	0.0696 mL	0.3481 mL	0.6962 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.

## Reference

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.

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.

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