

## 3-O-Methyltolcapone-D7

## Chemical Properties

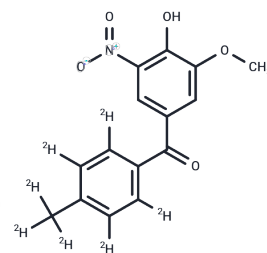
CAS No. :

Formula: C<sub>15</sub>H<sub>6</sub>D<sub>7</sub>NO<sub>5</sub>

Molecular Weight: 294.31

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-D7 is a deuterium labeled 3-O-Methyltolcapone. 3-O-Methyltolcapone (T10119) (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.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3978 mL	16.9889 mL	33.9778 mL
5 mM	0.6796 mL	3.3978 mL	6.7956 mL
10 mM	0.3398 mL	1.6989 mL	3.3978 mL
50 mM	0.068 mL	0.3398 mL	0.6796 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481