

Tolcapone D7

Chemical Properties

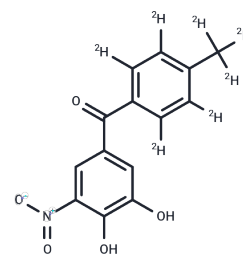
CAS No. :

Formula: C₁₄H₄D₇N₁O₅

Molecular Weight: 280.28

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	Tolcapone-D7 is a deuterium-labeled Tolcapone. Tolcapone (T6708) is a selective and orally active inhibitor of COMT.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5679 mL	17.8393 mL	35.6786 mL
5 mM	0.7136 mL	3.5679 mL	7.1357 mL
10 mM	0.3568 mL	1.7839 mL	3.5679 mL
50 mM	0.0714 mL	0.3568 mL	0.7136 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

Paterson NE, et al. Sub-optimal performance in the 5-choice serial reaction time task in rats was sensitive to methylphenidate, atomoxetine and d-amphetamine, but unaffected by the COMT inhibitor tolcapone. *Neurosci Res.* 2011 Jan;69(1):41-50.

Di Giovanni S, et al. Entacapone and tolcapone, two catechol O-methyltransferase inhibitors, block fibril formation of alpha-synuclein and beta-amyloid and protect against amyloid-induced toxicity. *J Biol Chem.* 2010 May 14;285(20):14941-54.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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