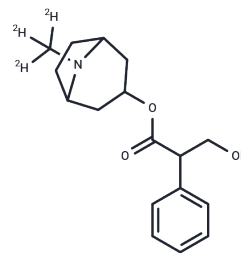


## (±)-Atropine-D3(N-methyl-D3)

### Chemical Properties

CAS No. :	1276197-36-4
Formula:	C <sub>17</sub> H <sub>20</sub> D <sub>3</sub> NO <sub>3</sub>
Molecular Weight:	292.39
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



### Biological Description

Description	(±)-Atropine-D3(N-methyl-D3) is a deuterated compound of (±)-Atropine (TMSM-0473). (±)-Atropine has a CAS number of 51-55-8. Atropine Sulfate is the sulfate salt of atropine, a naturally-occurring alkaloid isolated from the plant <i>Atropa belladonna</i> . Atropine functions as a sympathetic, competitive antagonist of muscarinic cholinergic receptors, thereby abolishing the effects of parasympathetic stimulation.
Targets(IC50)	Endogenous Metabolite,AChR

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4201 mL	17.1004 mL	34.2009 mL
5 mM	0.684 mL	3.4201 mL	6.8402 mL
10 mM	0.342 mL	1.710 mL	3.4201 mL
50 mM	0.0684 mL	0.342 mL	0.684 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.

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