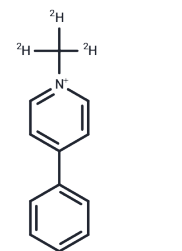


## MPP+-D3 iodide

## Chemical Properties

CAS No. :	207556-07-8
Formula:	C <sub>12</sub> H <sub>12</sub> I <sub>N</sub>
Molecular Weight:	300.15
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	MPP+-D3 iodide is the deuterated variant of MPP+ (iodide). MPP+ iodide (T9169) is a toxic metabolite of the neurotoxin MPTP, which induces Parkinsonian symptoms in animal models by selectively destroying dopaminergic neurons in the substantia nigra. It is absorbed into dopaminergic neurons via the dopamine transporter and exerts its neurotoxic effects by interfering with mitochondrial respiratory chain complex I. Additionally, MPP+ iodide (T9169) is a high-affinity substrate for the serotonin transporter (SERT).
Targets(IC50)	Mitochondrial Metabolism

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3317 mL	16.6583 mL	33.3167 mL
5 mM	0.6663 mL	3.3317 mL	6.6633 mL
10 mM	0.3332 mL	1.6658 mL	3.3317 mL
50 mM	0.0666 mL	0.3332 mL	0.6663 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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