

Donepezil-D5

Chemical Properties

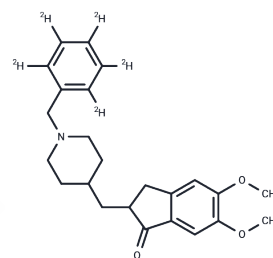
CAS No. : 1128086-25-8

Formula: C₂₄H₂₄D₅NO₃

Molecular Weight: 384.52

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	Donepezil-D5 is a deuterated compound of Donepezil. Donepezil (T7041) has a CAS number of 120014-06-4. Donepezil (T7041) is a piperidine-based, potent, specific, and reversible inhibitor of acetylcholinesterase (AChE). It can be used for the treatment of mild to moderate dementia of the Alzheimer's type.
Targets(IC50)	Cholinesterase (ChE)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6006 mL	13.0032 mL	26.0064 mL
5 mM	0.5201 mL	2.6006 mL	5.2013 mL
10 mM	0.2601 mL	1.3003 mL	2.6006 mL
50 mM	0.052 mL	0.2601 mL	0.5201 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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