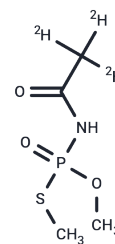


## Acephate-D3 (acetyl-D3)

## Chemical Properties

CAS No. :	2140327-70-2
Formula:	C <sub>4</sub> H <sub>7</sub> D <sub>3</sub> NO <sub>3</sub> PS
Molecular Weight:	186.18
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	Acephate-D3 (acetyl-D3) is a deuterated compound of Acephate. Acephate (T22545) has a CAS number of 30560-19-1. Acephate (T22545) is an anticholinesterase insecticide with a weak inhibitory effect on AChE in rats, but it can effectively inhibit AChE in cockroaches.
Targets(IC50)	Cholinesterase (ChE)

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.3711 mL	26.8557 mL	53.7115 mL
5 mM	1.0742 mL	5.3711 mL	10.7423 mL
10 mM	0.5371 mL	2.6856 mL	5.3711 mL
50 mM	0.1074 mL	0.5371 mL	1.0742 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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