

## AChE/BChE-IN-14

## Chemical Properties

CAS No. :

Formula: C<sub>19</sub>H<sub>23</sub>N<sub>3</sub>O<sub>3</sub>

Molecular Weight: 313.39

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	AChE/BChE-IN-14 (compound 13), a benzyloquinoline alkaloid extracted from Fissistigma polyanthum roots, demonstrates inhibitory effects on both acetylcholinesterase (AChE) and butyrylcholinesterase (BChE), coupled with antioxidant properties, and is pertinent to Alzheimer's disease research [1].
Targets(IC50)	Others,Cholinesterase (ChE)

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1909 mL	15.9546 mL	31.9091 mL
5 mM	0.6382 mL	3.1909 mL	6.3818 mL
10 mM	0.3191 mL	1.5955 mL	3.1909 mL
50 mM	0.0638 mL	0.3191 mL	0.6382 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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