

AChE-IN-80

## Chemical Properties

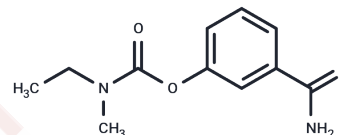
CAS No. :

Formula: C<sub>11</sub>H<sub>14</sub>N<sub>2</sub>O<sub>2</sub>S

Molecular Weight: 238.306

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-IN-80 (Compound 1) is an inhibitor of acetylcholinesterase (AChE). It suppresses inflammation and reactive oxygen species (ROS) production in cultured neurons and microglia, induces autophagy, and prevents the spread of beta-amyloid (A $\beta$ ) fibrils. AChE-IN-80 exhibits antioxidant activity and neuroprotective effects, making it valuable for Alzheimer's disease research.
Targets(IC50)	Beta Amyloid, Reactive Oxygen Species, Autophagy, ROS

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1962 mL	20.9811 mL	41.9622 mL
5 mM	0.8392 mL	4.1962 mL	8.3924 mL
10 mM	0.4196 mL	2.0981 mL	4.1962 mL
50 mM	0.0839 mL	0.4196 mL	0.8392 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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Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481