

AChE-IN-47

## Chemical Properties

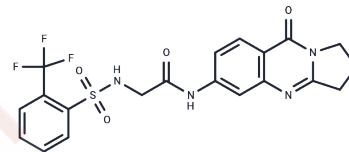
CAS No. : 3033056-55-9

Formula: C<sub>20</sub>H<sub>17</sub>F<sub>3</sub>N<sub>4</sub>O<sub>4</sub>S

Molecular Weight: 466.43

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-47 (compound g17) is an acetylcholinesterase (AChE) inhibitor with an IC <sub>50</sub> of 0.24 μM. It prevents the self-aggregation of β-amyloid peptides and exhibits neuroprotective properties by effectively reducing the accumulation of intracellular reactive oxygen species (ROS).
Targets(IC50)	Cholinesterase (ChE)

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1439 mL	10.7197 mL	21.4394 mL
5 mM	0.4288 mL	2.1439 mL	4.2879 mL
10 mM	0.2144 mL	1.072 mL	2.1439 mL
50 mM	0.0429 mL	0.2144 mL	0.4288 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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