

## AChE/PDE4-IN-1

## Chemical Properties

CAS No. :

Formula: C<sub>23</sub>H<sub>28</sub>N<sub>2</sub>O<sub>3</sub>

Molecular Weight: 380.48

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/PDE4-IN-1 (compound 12c) is a highly effective and specific dual inhibitor of PDE4 and AChE, with IC <sub>50</sub> values of 0.28 μM for AChE and 1.88 μM for PDE4D. This compound shows notable potential in reducing neuroinflammation associated with Alzheimer's disease research [1].
Targets(IC <sub>50</sub> )	Others,Cholinesterase (ChE),PDE

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6283 mL	13.1413 mL	26.2826 mL
5 mM	0.5257 mL	2.6283 mL	5.2565 mL
10 mM	0.2628 mL	1.3141 mL	2.6283 mL
50 mM	0.0526 mL	0.2628 mL	0.5257 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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