

## BChE/HDAC6-IN-1

## Chemical Properties

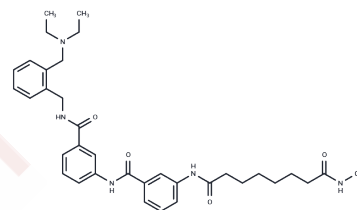
CAS No. : 2925457-27-6

Formula: C<sub>34</sub>H<sub>43</sub>N<sub>5</sub>O<sub>5</sub>

Molecular Weight: 601.74

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	BChE/HDAC6-IN-1 is a dual BChE/HDAC6 inhibitor exhibiting potent and selective inhibition with IC <sub>50</sub> values of 4 nM for BChE and 8.9 nM for HDAC6. It demonstrates efficacy in alleviating cognitive deficits in an Aβ <sub>1-42</sub> -induced mouse model, indicating its potential utility in Alzheimer's disease research [1].
Targets(IC <sub>50</sub> )	HDAC,Cholinesterase (ChE)

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6618 mL	8.3092 mL	16.6185 mL
5 mM	0.3324 mL	1.6618 mL	3.3237 mL
10 mM	0.1662 mL	0.8309 mL	1.6618 mL
50 mM	0.0332 mL	0.1662 mL	0.3324 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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