

MAO A/HDAC-IN-1

Chemical Properties

CAS No. :

Formula: C₂₁H₂₄ClN₃O₃

Molecular Weight: 401.89

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	MAO A/HDAC-IN-1 is an effective dual inhibitor of monoamine oxidase A (MAO A) and HDAC, suitable for glioma research.
Targets(IC50)	Others,HDAC,Monoamine Oxidase
In vitro	MAO A/HDAC-IN-1 (compound 15) enhances histone H3 and α -tubulin acetylation, inducing cell death through nonapoptotic mechanisms [1].
In vivo	Compound 15 (MAO A/HDAC-IN-1) decreases tumor size, lowers MAO A activity in both brain and tumor tissues, and extends survival [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4882 mL	12.4412 mL	24.8824 mL
5 mM	0.4976 mL	2.4882 mL	4.9765 mL
10 mM	0.2488 mL	1.2441 mL	2.4882 mL
50 mM	0.0498 mL	0.2488 mL	0.4976 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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