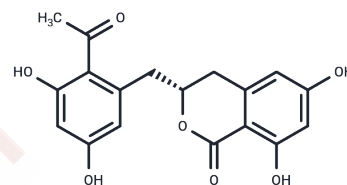


## Feralolide

## Chemical Properties

CAS No. :	149418-38-2
Formula:	C <sub>18</sub> H <sub>16</sub> O <sub>7</sub>
Molecular Weight:	344.32
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	Feralolide, a dihydroisocoumarin from the methanolic extract of aloe vera resin, functions as a dual inhibitor of acetylcholinesterase (AChE) and butyrylcholinesterase (BuChE), with IC <sub>50</sub> values of 55 µg/mL and 52 µg/mL, respectively. It exhibits antioxidant properties, effectively inhibiting 2,2-diphenyl-1-picrylhydrazyl (DPPH) and 2,2'-azinobis-3-ethylbenzothiazoline-6-sulfonic acid (ABTS). Research suggests feralolide's potential in studying cognitive disorders, including Alzheimer's disease, for its memory restoration and enhancement capabilities [1].
Targets(IC <sub>50</sub> )	Others,Cholinesterase (ChE)

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9043 mL	14.5214 mL	29.0428 mL
5 mM	0.5809 mL	2.9043 mL	5.8086 mL
10 mM	0.2904 mL	1.4521 mL	2.9043 mL
50 mM	0.0581 mL	0.2904 mL	0.5809 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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