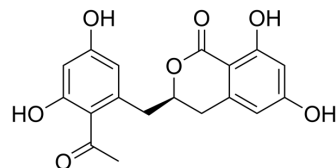


Feralolide

Cat. No.:	HY-N11997
CAS No.:	149418-38-2
Molecular Formula:	C ₁₈ H ₁₆ O ₇
Molecular Weight:	344.32
Target:	Cholinesterase (ChE)
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Feralolide is a dihydroisocoumarin isolated from the methanolic extract of aloe vera resin. Feralolide is also a dual inhibitor of AChE and BuChE, with IC ₅₀ s of 55 µg/mL and 52 µg/mL respectively. Feralolide has antioxidant activity and inhibits 2,2-diphenyl-1-picrylhydrazyl (DPPH) and 2, 2'-azinobis-3-ethylbenzothiazoline-6-sulfonic acid (ABTS). Feralolide could be used in research into cognitive disorders such as Alzheimer's disease, potentially restoring and enhancing memory ^[1] .
IC ₅₀ & Target	IC ₅₀ : 55 µg/mL (AChE), 52 µg/mL (BuChE) ^[1]

REFERENCES

[1]. Khan I, et al. Antiamnesic Effects of Feralolide Isolated from Aloe vera Resin Miller against Learning Impairments Induced in Mice. *Antioxidants* (Basel). 2023 Jan 10;12(1):161.

Caution: Product has not been fully validated for medical applications. For research use only.

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