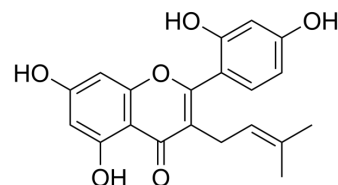


Albanin A

Cat. No.:	HY-N10772
CAS No.:	73343-42-7
Molecular Formula:	C ₂₀ H ₁₈ O ₆
Molecular Weight:	354.35
Target:	Calcium Channel; Calmodulin; Adenylate Cyclase
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling; GPCR/G Protein
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



BIOLOGICAL ACTIVITY

Description

Albanin A, a flavonoid, suppresses glutamate release by decreasing Ca²⁺/calmodulin/adenylate Cyclase 1 (AC1) activation in synaptosomes and exerts neuroprotective effect in vivo. Albanin A has anti-inflammatory activity^[1].

REFERENCES

[1]. Yi Chang, et al. Albanin A, Derived from the Root Bark of *Morus alba* L., Depresses Glutamate Release in the Rat Cerebrocortical Nerve Terminals via Ca²⁺/Calmodulin/Adenylate Cyclase 1 Suppression. *J Med Food*. 2021 Mar;24(3):209-217.

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

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