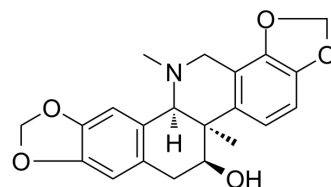


Corynoline

Cat. No.:	HY-N0826		
CAS No.:	18797-79-0		
Molecular Formula:	C ₂₁ H ₂₁ NO ₅		
Molecular Weight:	367.4		
Target:	Cholinesterase (ChE); Keap1-Nrf2		
Pathway:	Neuronal Signaling; NF-κB		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 41.67 mg/mL (113.42 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.7218 mL	13.6091 mL	27.2183 mL
5 mM	0.5444 mL	2.7218 mL	5.4437 mL
10 mM	0.2722 mL	1.3609 mL	2.7218 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Corynoline is a reversible and noncompetitive acetylcholinesterase (AChE) inhibitor with an IC₅₀ of 30.6 μM^[1]. Corynoline exhibits anti-inflammatory activity by activating Nrf2^[2].

CUSTOMER VALIDATION

- Biomed Pharmacother. June 2022, 113075.
- Immunopharmacol Immunotoxicol. 2022 Aug 18;1-9.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Kim DK. Inhibitory effect of corynoline isolated from the aerial parts of *Corydalis incisa* on the acetylcholinesterase. Arch Pharm Res. 2002 Dec;25(6):817-9.

[2]. Liu B, et al. Corynoline Exhibits Anti-inflammatory Effects in Lipopolysaccharide (LPS)-Stimulated Human Umbilical Vein Endothelial Cells through Activating Nrf2. Inflammation. 2018 Oct;41(5):1640-1647.

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

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