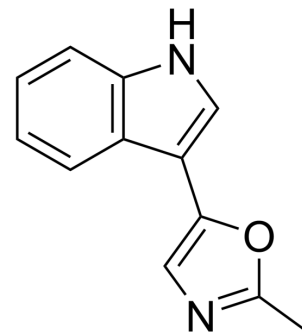


Pimprinine

Cat. No.:	HY-120769
CAS No.:	13640-26-1
Molecular Formula:	C ₁₂ H ₁₀ N ₂ O
Molecular Weight:	198.22
Target:	Monoamine Oxidase
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Pimprinine is a potent monoamine oxidase inhibitor, could be isolated from fermented broths. Pimprinine has antioxidative activity and anticonvulsant activity. Pimprinine inhibits tremorine-induced tremors and analgesia in mice^{[1][2][3]}.

REFERENCES

- [1]. Takeuchi T, et, al. Monoamine oxidase inhibitors isolated from fermented broths. J Antibiot (Tokyo). 1973 Mar;26(3):162-7.
- [2]. Miao YP, et, al. Synthesis and antioxidative activity of 2-substituted phenyl-5-(3'-indolyl)-oxazole derivatives. Yao Xue Xue Bao. 2004 Jan;39(1):37-40.
- [3]. Naik SR, et, al. Pimprinine, an extracellular alkaloid produced by Streptomyces CDRIL-312: fermentation, isolation and pharmacological activity. J Biotechnol. 2001 Jun 1;88(1):1-10.

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

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