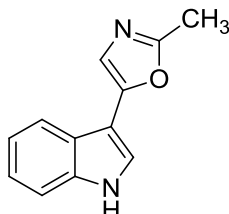


Pimprinine

Code No.: **BIA-P1070**

Pack sizes: **1 mg, 5 mg**



Synonyms : 5-(3-Indolyl)-2-methyloxazole, WS 30581C, APHE 3

Specifications

CAS #	: 13640-26-1
Molecular Formula	: C₁₂H₁₀N₂O
Molecular Weight	: 198.2
Source	: <i>Streptomyces</i> sp.
Appearance	: Tan Powder
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

Application Notes

Pimprinine is an indole alkaloid produced by many species of *Streptomyces*. Pimprinine is a potent inhibitor of monoamine oxidase. More recently, pimprinine showed promising anticonvulsant activity in electric seizure threshold tests in mice, comparable to phenylhydantoin. Pimprinine also inhibits tremorine-induced tremors and analgesia in mice.

References

1. Isolation, characterization and synthesis of pimprinine, pimprinethine and pimprinaphine, metabolites of *Streptoverticillium olivoreticuli*. Koyama Y. et al., *Agri Biol Chem* 1981, 45, 1285.
2. Pimprinine, an extracellular alkaloid produced by *Streptomyces* CDRIL-312: fermentation, isolation and pharmacological activity. Naik S.R. et al., *J Biotechnol.* 2001, 88, 1.