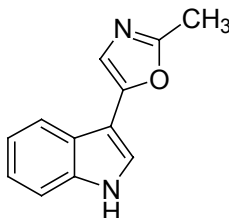


Pimprinine

Code: **BIA-P1070**

Pack sizes: **1.0 mg, 5.0 mg**



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

Specifications

CAS # : **13640-26-1**
Molecular Formula : **C₁₂H₁₀N₂O**
Molecular Weight : **198.2**
Source : ***Streptomyces* sp. MST-AS5360**
Appearance : **Tan Powder**
Purity : **> 95% by HPLC**
Long Term Storage : **-20°C**
Solubility : **Soluble in ethanol, methanol, DMF or DMSO**

Application Notes

Pimprinine is an indole alkaloid produced by many species of *Streptomyces*. It is a potent inhibitor of monoamine oxidase and has shown antiepileptic effects. More recently, pimprinine showed promising anticonvulsant activity in electric seizure threshold tests in mice, comparable to phenyl hydantoin. Pimprinine also inhibited 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.