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| Product Name: | Pimprinine |
| Product Number: | P084 |
| CAS Number: | 13640-26-1 |
| Molecular Formula: | C ₁₂ H ₁₀ N ₂ O |
| Molecular Weight: | 198.2 |
| Appearance: | Tan Powder |
| Storage Conditions: | -20°C |
| Description: | <p>Pimprinine is an indole alkaloid produced by many species of <i>Streptomyces</i>. 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.</p> <p>Pimprinine is soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.</p> |
| Mechanism of Action: | Pimprinine is a potent inhibitor of monoamine oxidase. |
| References: | <p>Isolation, characterization and synthesis of pimprinine, pimprinethine and pimprinaphine, metabolites of <i>Streptovercillium olivoreticuli</i>. Koyama Y. et al. <i>Agri Biol Chem</i> 1981, 45, 1285.</p> <p>Pimprinine, an extracellular alkaloid produced by <i>Streptomyces</i> CDRIL-312: fermentation, isolation and pharmacological activity. Naik S.R. et al. <i>J Biotechnol</i>. 2001, 88, 1.</p> |