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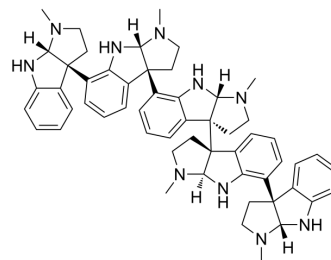
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Psychotridine

Cat. No.:	HY-N12398
CAS No.:	52617-25-1
Molecular Formula:	C ₅₅ H ₆₂ N ₁₀
Molecular Weight:	863.15
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Psychotridine is a natural alkaloid isolated from <i>Psychotria colorata</i> , reveals an analgesic activity in nervous system and an inhibitory efficacy towards platelet aggregation ^{[1][2]} .								
In Vitro	Psychotridine inhibits platelet aggregation induced by ADP, collagen and Thrombin through an interaction with cytoskeletal proteins, with IC ₅₀ s of 1.4, 1.4 and 3.9 μM, respectively ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.								
In Vivo	Psychotridine (0-10 mg/kg, i.p., single dosage) exhibits in albino CF-1 mice an analgesic activity in a dose-dependent manner towards pains induced by heat and capsaicin without motor deficits ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.								
	<table border="1"> <tr> <td>Animal Model:</td> <td>albino CF-1 mice^[1]</td> </tr> <tr> <td>Dosage:</td> <td>0-10 mg/kg</td> </tr> <tr> <td>Administration:</td> <td>i.p., single dosage</td> </tr> <tr> <td>Result:</td> <td>Reduced the heat- and capsaicin-induced pain.</td> </tr> </table>	Animal Model:	albino CF-1 mice ^[1]	Dosage:	0-10 mg/kg	Administration:	i.p., single dosage	Result:	Reduced the heat- and capsaicin-induced pain.
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REFERENCES

- [1]. Amador TA, et al., Involvement of NMDA receptors in the analgesic properties of psychotridine. *Phytomedicine*. 2001 May;8(3):202-6.
- [2]. Beretz A, et al., Polyindolinic Alkaloids from *Psychotria forsteriana*. Potent Inhibitors of the Aggregation of Human Platelets. *Planta Med*. 1985 Aug;51(4):300-3.

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

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