Psychotridine

Cat. No.: HY-N12398

CAS No.: 52617-25-1

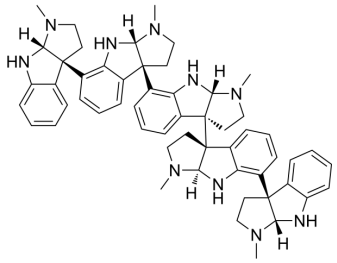
Molecular Formula: $C_{55}H_{62}N_{10}$

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 Psychotria colorata, 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 albiono 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.

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.

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.

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