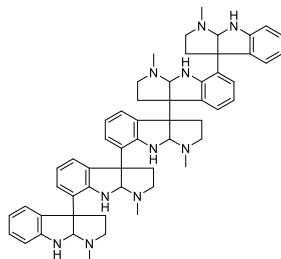


Psychotridine

Code No.: **BIA-P1960**

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



Synonyms :

Specifications

CAS #	: 52617-25-1
Molecular Formula	: C₅₅H₆₂N₁₀
Molecular Weight	: 863.15
Source	: <i>Psychotria beccarioides</i>
Appearance	: Off-white solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol or DMSO

Application Notes

Psychotridine is the main component of an alkaloid complex isolated from *Psychotria beccarioides* by Lambertson and colleagues at CSIRO, Australia in 1974. Psychotridine is structurally related to hodgkinsine. The structure of psychotridine was revised in 1999. Psychotridine is cytotoxic and inhibits platelet aggregation. Psychotridine exhibits dose-dependent analgesic activity in capsaicin-induced pain models and inhibits radioligand binding postulated to involve NMDA receptors.

References

1. Psychotridine, a C₅₅H₆₂N₁₀ alkaloid from *Psychotria beccarioides* (Rubiaceae). Hart N.K. et al. Aust J Chem. 1974, 27, 639.
2. Pyrrolidinoindoline alkaloids from *Psychotria oleoides* and *Psychotria lyciiflora*. Jannic V. et al. J Nat Prod. 1999, 62, 838.
3. Cytotoxic activity of polyindole alkaloids of *Psychotria forsteriana* (Rubiaceae). Roth A. et al. Planta Med. 1986, 6, 450.
4. In vitro cytotoxicity of polyindolenine alkaloids on rat hepatoma cell lines. Structure activity relationships. Adjibade Y. et al. J Ethnopharmacol. 1990, 29, 127.
5. Polyindolinic alkaloids from *Psychotria forsteriana*. Potent inhibitors of the aggregation of human platelets. Beretz A. et al. Planta Med. 1985, 4, 300.
6. Involvement of NMDA receptors in the analgesic properties of psychotridine. Amador T.A. et al. Phytomed. 2001, 8, 202.