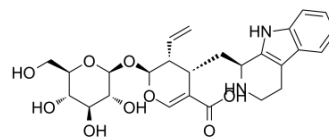


Strictosidinic acid

Cat. No.:	HY-N7514
CAS No.:	150148-81-5
Molecular Formula:	C ₂₆ H ₃₂ N ₂ O ₉
Molecular Weight:	516.54
Target:	5-HT Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Strictosidinic acid, an orally active glycoside indole monoterpene alkaloid isolated from <i>Psychotria myriantha</i> leaves, inhibits precursor enzymes of 5-HT biosynthesis and reduces the 5-HT levels. Strictosidinic acid has peripheral analgesic and antipyretic activities in mice ^{[1][2]} .
IC₅₀ & Target	5-HT Receptor
In Vivo	Strictosidinic acid (20 µg/µl; intra-hippocampal injection) causes a significance of 83.5% reduction in 5-HT levels. Strictosidinic acid (10 mg/kg; i.p.) causes a 63.4% reduction in 5-HT levels and a 67.4% reduction in DOPAC values in male Wistar rats, weighing 200-250 g ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. F M Farias, et al. Strictosidinic Acid, Isolated From *Psychotria Myriantha* Mull. Arg. (Rubiaceae), Decreases Serotonin Levels in Rat Hippocampus. *Fitoterapia*. 2012 Sep;83(6):1138-43.
- [2]. F M Farias, et al. Monoamine Levels in Rat Striatum After Acute Intraperitoneal Injection of Strictosidinic Acid Isolated From *Psychotria Myriantha* Mull. Arg. (Rubiaceae). *Phytomedicine*. 2010 Mar;17(3-4):289-91.

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

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