



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



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Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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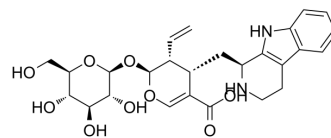
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## Strictosidinic acid

Cat. No.:	HY-N7514
CAS No.:	150148-81-5
Molecular Formula:	C <sub>26</sub> H <sub>32</sub> N <sub>2</sub> O <sub>9</sub>
Molecular Weight:	516.54
Target:	5-HT Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



### BIOLOGICAL ACTIVITY

<b>Description</b>	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 <sup>[1][2]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	5-HT Receptor
<b>In Vivo</b>	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 <sup>[1]</sup> . 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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