### 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 COA.

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**BIOLOGICAL ACTIVITY**

<table>
<thead>
<tr>
<th>Description</th>
<th>Strictosidinic acid, an orally active glycoside indole monoterpene alkaloid isolated from Psychotria myriantha leaves, inhibits precursor enzymes of 5-HT biosynthesis and reduces the 5-HT levels. Strictosidinic acid has peripheral analgesic and antipyretic activities in mice$^{[1]}$.$^{[2]}$.</th>
</tr>
</thead>
<tbody>
<tr>
<td>IC$_{50}$ &amp; Target</td>
<td>5-HT Receptor</td>
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<tr>
<td>In Vivo</td>
<td>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$^{[1]}$.</td>
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</tbody>
</table>

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**REFERENCES**


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

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