
Product Data Sheet

Product Name: Strictosidinic acid

Cat. No.: GC61742

Chemical Properties

Cas. No. 150148-81-5

SMILES O=C(C1=CO[C@@H](O[C@H]2[C@@H]([C@H]([C@@H]([C@@H](CO)O2)O)O)[C@H](C=C)[C@@H]1C[C@@H]3NCCC4=C3NC5=C4C=CC=C5)O

Formula C₂₆H₃₂N₂O₉ M.Wt 516.54

Solubility Storage 4°C, stored under nitrogen

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure **Background**

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].

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].

[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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