

Product Data Sheet

Product Name: Rauwolscine

Cat. No.: GC72978

Chemical Properties

Cas. No. 131-03-3

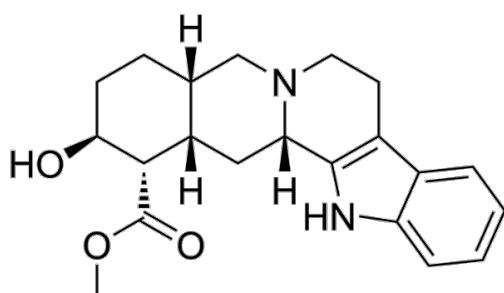
Formula $C_{21}H_{26}N_2O_3$ M.Wt 354.44

Solubility H_2O : 2.24 mg/mL (6.32 mM; Need ultrasonic and warming) Storage $-20^{\circ}C$, protect from light

General tips For obtaining a higher solubility , please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ 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

Rauwolscine is a selective α_2 -adrenoceptor antagonist that inhibits tumor growth and induces apoptosis.

Rauwolscine (0.5 mg/kg, daily) reduces tumor growth by enhancing apoptosis and reducing cell proliferation in Balb/c female virgin mice[1]. Rauwolscine (i.v., 2.24 mg/kg) can significantly release lick-shock conflict responding in rats similar to the α agonist clonidine (0.022 mg/kg) and the

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

benzodiazepine diazepam (0.5 mg/kg) [2].

References:

[1]. A Bruzzone, et al. Alpha2-adrenoceptor action on cell proliferation and mammary tumour growth in mice. Br J Pharmacol. 2008 Oct;155(4):494-504.

[2]. S La Marca, et al. The alpha-2 antagonists idazoxan and rauwolscine but not yohimbine or piperoxan are anxiolytic in the Vogel lick-shock conflict paradigm following intravenous administration. Life Sci. 1994;54(10):PL179-84.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA