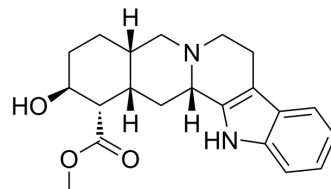


Rauwolscine

Cat. No.:	HY-12710
CAS No.:	131-03-3
Molecular Formula:	C ₂₁ H ₂₆ N ₂ O ₃
Molecular Weight:	354.44
Target:	Adrenergic Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Rauwolscine is a selective α_2 -adrenoceptor antagonist that inhibits tumor growth and induces apoptosis ^[1] .
In Vivo	<p>Rauwolscine (0.5 mg/kg, daily) reduces tumor growth by enhancing apoptosis and reducing cell proliferation in Balb/c female virgin mice^[1].</p> <p>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 benzodiazepine diazepam (0.5 mg/kg) ^[2].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

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.

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