



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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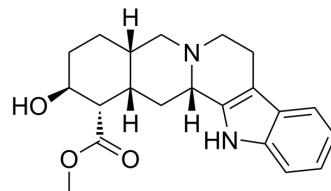
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## Rauwolscine

Cat. No.:	HY-12710
CAS No.:	131-03-3
Molecular Formula:	C <sub>21</sub> H <sub>26</sub> N <sub>2</sub> O <sub>3</sub>
Molecular Weight:	354.44
Target:	Adrenergic Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### BIOLOGICAL ACTIVITY

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

### REFERENCES

- [1]. A Bruzzone, et al. Alpha<sub>2</sub>-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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