



Cephram's new Rauwolscine 90%

Rauwolscine (alpha-Yohimbine) 90%[†]

Alpha-Yohimbine or α -Yohimbine [also known as Iso-yohimbine, Corynanthidine, Rauwolscine], a stereoisomer of yohimbine, is an alkaloid found in *Rauwolfia vomitoria*.

Ethnobotany

Rauwolfia spp. has long been used in India, particularly by Ayurvedic practitioners as a remedy for snake bites, insanity, insomnia, anxiety disorders, hypochondria and dysentery. Its use in Europe is reported over 300 years.

Chemistry

α -Yohimbine is a more potent monoamine oxidase (MAO) inhibitor as compared to yohimbine. It works as a very potent amphetamine-potentiator and prevents neuro-breakdown by ameliorating serotonin, noradrenaline, and dopamine. It also has similar alpha-2 antagonistic properties similar to yohimbine HCl, but also reduces vasoconstriction.

While yohimbine helps to improve lipolysis by antagonizing α 2-adrenoceptors, it may also prevent lipolysis from occurring by antagonizing α 1-adrenoceptors, which is counter-productive, on the other hand α -yohimbine is as potent at antagonizing α 2-adrenergic receptors as yohimbine, but, it is 50 times less potent at α 1-adrenergic receptors, making it much more selective and much less likely to reduce lipolysis by inhibiting α 1-adrenergic receptor activity when compared to yohimbine.

Overall, α -yohimbine acts predominantly as an α -2-adrenergic receptor antagonist. It functions as a 5-HT_{1 α} receptor partial agonist, and 5-HT_{2 α} and HT_{2 β} receptor antagonist.

Manufacturing Source: Cephram NMR-affirmed all natural 90% Rauwolscine (90% α -Yohimbine) is extracted from the roots of *Rauwolfia vomitoria*. This product has several advantages:

[1] Extra-pure grade*

[2] Low dosage*

[3] Free from all other impurities and related alkaloids which hamper the bioavailability and may cause competition with receptors*

[4] Backed by USA Safety Study*

*These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.

[†]This informational write-up is for professional education only. Not for consumer distribution.

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Physico-Chemical Properties: White to off-white fine powder, freely soluble in water, ethanol and DMSO.

Dosage: Not to exceed 3 mg/day*

Safety: No adverse effects were observed at recommended dosage (Glynn, 1955).

Recommended Use: *Sports Nutrition**; *Muscle Building**; *Pre-Exercise**; *Energy**; *Stamina**; *Endurance**

There is no reserpine in Cephram Rauwolscine.

References

1. Chatterjee, A., and Bose, S. A new alkaloid from the root of *Rauwolfia*. Sci & Cult 17:139, 1951.
2. Kohli, J.D., De, N.N. Nature 177(4521):1182, 1956.
3. Chatterjee, A., J Ind Chem Soc 18, 33, 485, 1941.
4. Chatterjee, A., Bose, A.K., and Pakrashi, S., Chem and Indust 491, 1954.
5. Glynn, J.D. J Neurol Neurosurg Psychiatry 18:225, 1955.
6. Perry BD, U'Prichard DC. Eur J Pharmacol 76(4):461-4, 1981.
7. Molinoff, P.B. Drugs 28(Suppl 2):1-15, 1984.
8. Arthur, J.M., Casañas, S.J., Raymond, J. R. Biochemical Pharmacology 45(11):2337–2341, 1993.
9. Akinloye, O.O., Khadijat, T.O., International Journal of Biomedical and Health Sciences 6(4): 205-8, 2010.
10. Fitzgerald, P.J., Seemann J.R., Maren, S. Brain Res Bull 2014 June; 0: 46–60. doi: 10.1016/J.Brainresbull.2013.12.007.



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