

Yohimbine (Hydrochloride)

Catalog No: tcsc5238



Available Sizes

Size: 1g



Specifications

CAS No:

65-19-0

Formula:

$C_{21}H_{27}ClN_2O_3$

Pathway:

GPCR/G Protein

Target:

Adrenergic Receptor

Purity / Grade:

>98%

Solubility:

H₂O : 4 mg/mL (10.23 mM; Need ultrasonic); DMSO : 33.33 mg/mL (85.26 mM; Need ultrasonic)

Observed Molecular Weight:

390.9

Product Description

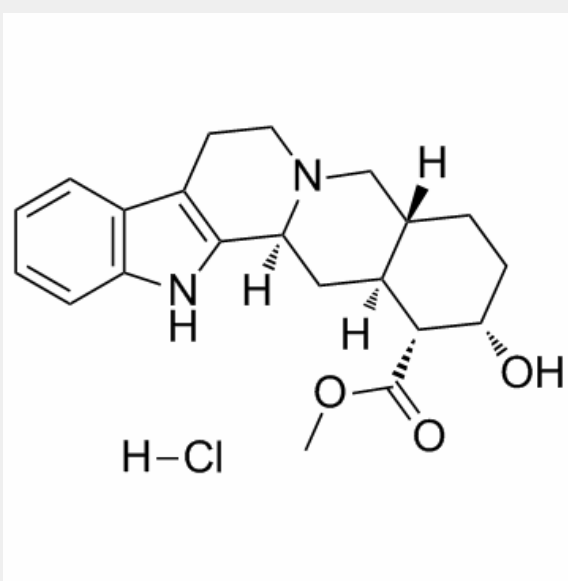
Yohimbine hydrochloride is an alpha 2-adrenoreceptor antagonist, blocking the pre- and postsynaptic alpha-2 adrenoreceptors and causing an increased release of noradrenaline and dopamine.

IC₅₀ value:

Target:

In vitro:

In vivo: Yohimbine hydrochloride (0.2 mg/kg, i.p.) was administered to rats 1h before the stress session daily for 14 consecutive days and its effect was assessed. Results of this section revealed that, immersion of rats in cold water significantly decreased sexual arousal and motivation as indicated by increased latencies and intervals. Decreased copulatory activity was confirmed by decreased testosterone, luteinizing hormone (LH) and follicle-stimulating-hormone (FSH) levels as well as decreased cholesterol content in rat testes. Treatment with yohimbine significantly increased the sexual arousal and potency and corrected the effects induced by stress on the mating behavior of male rats [1].



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