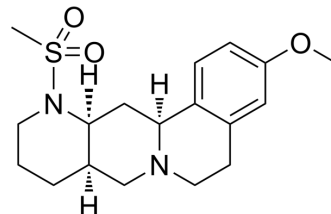


Delequamine

Cat. No.:	HY-106874
CAS No.:	119905-05-4
Molecular Formula:	C ₁₈ H ₂₆ N ₂ O ₃ S
Molecular Weight:	350.48
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	Delequamine (RS-15385-197) is an orally active and selective α_2 -adrenergic receptor antagonist. Delequamine can increase the sexual behavior score of both male and female rats and can be used in the research of sexual dysfunction ^[1] .
In Vivo	Delequamine (0.4-6.4 mg/kg; oral, single dose) can increase the sexual behavior score in a dose-dependent manner in a model where untrained male rats are exposed to estrogen-progesterone-treated, sexually receptive female rats. Furthermore, the combination of Delequamine (0.4 mg/kg; oral, single dose) and 8-OH-DPAT (HY-112061) (0.1 mg/kg; subcutaneous injection) can increase the percentage of mounts, intromissions, and ejaculations in rats, shorten the ejaculation latency, and reduce the number of intromissions ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Tallentire D, et al. Modulation of sexual behaviour in the rat by a potent and selective alpha 2-adrenoceptor antagonist, delequamine (RS-15385-197). Br J Pharmacol. 1996;118(1):63-72.

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

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