

RS 15385-197

## Chemical Properties

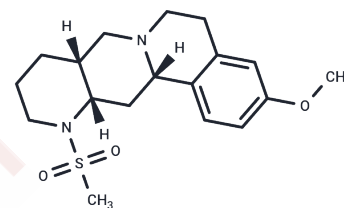
CAS No. : 119813-87-5

Formula: C<sub>18</sub>H<sub>26</sub>N<sub>2</sub>O<sub>3</sub>S

Molecular Weight: 350.48

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	RS 15385-197 is a selective alpha 2-adrenoceptor antagonist.
Targets(IC50)	Others,Adrenergic Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8532 mL	14.2661 mL	28.5323 mL
5 mM	0.5706 mL	2.8532 mL	5.7065 mL
10 mM	0.2853 mL	1.4266 mL	2.8532 mL
50 mM	0.0571 mL	0.2853 mL	0.5706 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

Tallentire D, McRae G, Spedding M, Clark R, Vickery B. Modulation of sexual behaviour in the rat by a potent and selective alpha 2-adrenoceptor antagonist, delequamine (RS-15385-197). *Br J Pharmacol.* 1996 May;118(1):63-72. PubMed PMID: 8733577; PubMed Central PMCID: PMC1909492.

Brown CM, MacKinnon AC, Redfern WS, Hicks PE, Kilpatrick AT, Small C, Ramcharan M, Clague RU, Clark RD, MacFarlane CB, et al. The pharmacology of RS-15385-197, a potent and selective alpha 2-adrenoceptor antagonist. *Br J Pharmacol.* 1993 Feb;108(2):516-25. PubMed PMID: 8095420; PubMed Central PMCID: PMC1908001.

Hume SP, Hirani E, Opacka-Juffry J, Osman S, Myers R, Gunn RN, McCarron JA, Clark RD, Melichar J, Nutt DJ, Pike VW. Evaluation of [O-methyl-11C]RS-15385-197 as a positron emission tomography radioligand for central alpha2-adrenoceptors. *Eur J Nucl Med.* 2000 May;27(5):475-84. PubMed PMID: 10853800.

MacKinnon AC, Kilpatrick AT, Kenny BA, Spedding M, Brown CM. [3H]-RS-15385-197, a selective and high affinity radioligand for alpha 2-adrenoceptors: implications for receptor classification. *Br J Pharmacol.* 1992 Aug;106(4):1011-8. PubMed PMID: 1327384; PubMed Central PMCID: PMC1907641.

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