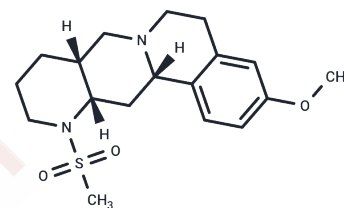


## Delequamine

## Chemical Properties

CAS No. :	119905-05-4
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	Delequamine (RS 15385-197) is a selective and potent TNIK inhibitor (IC <sub>50</sub> : 8 nM). TINK-IN-1 inhibits colorectal cancer cell viability and can be used to study mental retardation.
Targets(IC <sub>50</sub> )	Adrenergic Receptor

## Solubility Information

Solubility	DMSO: 50 mg/mL (142.66 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## 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, 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 May;118(1):63-72.

Redfern WS, et, al. A re-evaluation of the role of alpha 2-adrenoceptors in the anxiogenic effects of yohimbine, using the selective antagonist delequamine in the rat. Br J Pharmacol. 1995 Oct;116(3):2081-9.

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