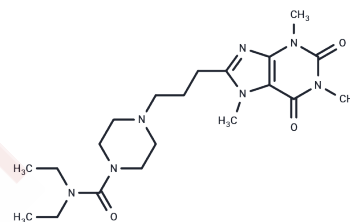


## Stacofylline

## Chemical Properties

CAS No. :	98833-92-2
Formula:	C <sub>20</sub> H <sub>33</sub> N <sub>7</sub> O <sub>3</sub>
Molecular Weight:	419.52
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	Stacofylline is a xanthine derivative that is used to treat migraine headaches.
Targets(IC50)	Others,Cholinesterase (ChE)

## Solubility Information

Solubility	DMSO: 7.5 mg/mL (17.88 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	2.3837 mL	11.9184 mL	23.8368 mL
5 mM	0.4767 mL	2.3837 mL	4.7674 mL
10 mM	0.2384 mL	1.1918 mL	2.3837 mL
50 mM	0.0477 mL	0.2384 mL	0.4767 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

Bain, et al. 4,4'-Diaminodiphenyl sulfone and acetylcholinesterase inhibitor combinations for prevention and treatment of dementia. WO2001066096 A2.

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