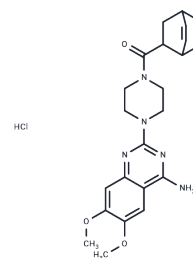


SM-2470

## Chemical Properties

CAS No. : 99899-45-3  
 Formula: C<sub>23</sub>H<sub>30</sub>ClN<sub>5</sub>O<sub>3</sub>  
 Molecular Weight: 459.97  
 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	SM-2470 is an $\alpha$ 1-adrenoceptor antagonist with antihypertensive activity that decreases anterior ganglionic adrenal nerve activity and aortic descending nerve activity. SM-2470 has hypocholesterolemic activity and inhibits cholesterol absorption.
Targets(IC50)	Adrenergic Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1741 mL	10.8703 mL	21.7405 mL
5 mM	0.4348 mL	2.1741 mL	4.3481 mL
10 mM	0.2174 mL	1.087 mL	2.1741 mL
50 mM	0.0435 mL	0.2174 mL	0.4348 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

M Yoshioka, et al. Effect of SM-2470, a newly synthesized alpha 1-adrenoceptor antagonist, on sympathetic nerve activity in anesthetized rats. Arch Int Pharmacodyn Ther. May-Jun 1988;293:162-74.

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Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481