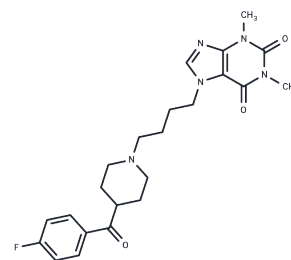


## Perbutylline

## Chemical Properties

CAS No. :	110390-84-6
Formula:	C <sub>23</sub> H <sub>28</sub> N <sub>5</sub> O <sub>3</sub>
Molecular Weight:	441.5
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	Perbutylline is a bronchodilator. It is N-methylated xanthine derivative. Perbutylline acts as a competitive antagonist at 5-HT <sub>2</sub> and alpha <sub>1</sub> -adrenoceptors, with at least 100-fold less activity at alpha <sub>2</sub> -adrenoceptors.
Targets(IC <sub>50</sub> )	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.265 mL	11.325 mL	22.6501 mL
5 mM	0.453 mL	2.265 mL	4.530 mL
10 mM	0.2265 mL	1.1325 mL	2.265 mL
50 mM	0.0453 mL	0.2265 mL	0.453 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.

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