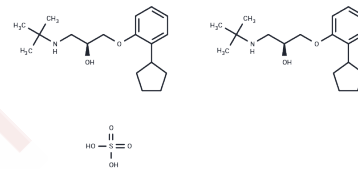


## Penbutolol sulfate

## Chemical Properties

CAS No. : 38363-32-5  
 Formula: C<sub>18</sub>H<sub>29</sub>NO<sub>2</sub>.1/2H<sub>2</sub>O<sub>4</sub>S  
 Molecular Weight: 340.47  
 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	Penbutolol sulfate ((-)-Terbuclomine) binds to both $\beta$ 2-adrenergic and $\beta$ 1-adrenergic receptors, making it a non-selective $\beta$ -blocker.
Targets(IC50)	5-HT Receptor, Adrenergic Receptor

## Solubility Information

Solubility	DMSO: 6.25 mg/mL (18.36 mM), Sonication is recommended. H <sub>2</sub> O: 4.56 mg/mL (13.39 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	2.9371 mL	14.6856 mL	29.3712 mL
5 mM	0.5874 mL	2.9371 mL	5.8742 mL
10 mM	0.2937 mL	1.4686 mL	2.9371 mL
50 mM	0.0587 mL	0.2937 mL	0.5874 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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