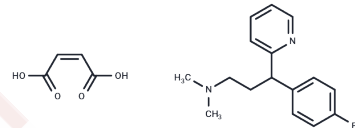


Brompheniramine maleate

Chemical Properties

CAS No. :	980-71-2
Formula:	C ₁₆ H ₁₉ BrN ₂ ·C ₄ H ₄ O ₄
Molecular Weight:	435.31
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Brompheniramine maleate (Dimotane) is an antagonist against histamine H1 receptors.
Targets(IC50)	5-HT Receptor,Histamine Receptor

Solubility Information

Solubility	H ₂ O: 42 mg/mL (96.48 mM),Sonication is recommended. Ethanol: 15 mg/mL (34.46 mM),Sonication is recommended. DMSO: 81 mg/mL (186.07 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	2.2972 mL	11.4861 mL	22.9721 mL
5 mM	0.4594 mL	2.2972 mL	4.5944 mL
10 mM	0.2297 mL	1.1486 mL	2.2972 mL
50 mM	0.0459 mL	0.2297 mL	0.4594 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.

Reference

Tardioli S, et al. J Phys Chem B. 2012 Jun 21;116(24):7033-9.

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