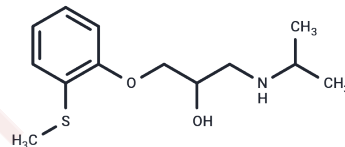


Tiprenolol

Chemical Properties

CAS No. :	26481-51-6
Formula:	C ₁₃ H ₂₁ NO ₂ S
Molecular Weight:	255.38
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	Tiprenolol is a beta adrenergic receptor antagonist.[1]
Targets(IC50)	5-HT Receptor, Adrenergic Receptor

Solubility Information

Solubility	DMSO: 55 mg/mL (215.37 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	3.9157 mL	19.5787 mL	39.1573 mL
5 mM	0.7831 mL	3.9157 mL	7.8315 mL
10 mM	0.3916 mL	1.9579 mL	3.9157 mL
50 mM	0.0783 mL	0.3916 mL	0.7831 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

Allen, JD; Shanks, RG (1974). "Effects of tiprenolol, practolol and propranolol on experimental ventricular tachyarrhythmias". British Journal of Pharmacology. 51 (2): 179-85.

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