

## Bisoprolol hemifumarate

## Chemical Properties

CAS No. : 104344-23-2

Formula: C<sub>20</sub>H<sub>33</sub>N<sub>1</sub>O<sub>6</sub>

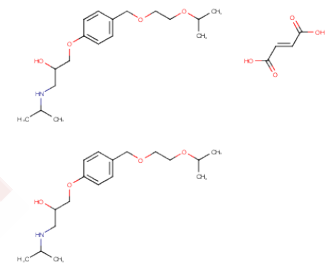
Molecular Weight: 383.49

Storage:

Keep away from direct sunlight, Keep away from moisture, Store at low temperature

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	Bisoprolol, a selective beta-1 adrenergic receptor antagonist, selectively and competitively binds to and blocks beta-1 adrenergic receptors in the heart, thereby with antihypertensive activity and devoid of intrinsic sympathomimetic activity.
Targets(IC50)	Adrenergic Receptor

## Solubility Information

Solubility	DMSO: 199.3 mM, Sonication is recommended. H <sub>2</sub> O: 26.08 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	2.6076 mL	13.0381 mL	26.0763 mL
5 mM	0.5215 mL	2.6076 mL	5.2153 mL
10 mM	0.2608 mL	1.3038 mL	2.6076 mL
50 mM	0.0522 mL	0.2608 mL	0.5215 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

Breed JG, et al. J Cardiovasc Pharmacol. 1992;20(5):750-5.

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