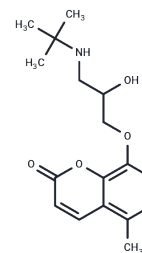


## Bucumolol

### Chemical Properties

CAS No. :	58409-59-9
Formula:	C <sub>17</sub> H <sub>23</sub> NO <sub>4</sub>
Molecular Weight:	305.37
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



### Biological Description

Description	Bucumolol (Bucumarol) is a $\beta$ -adrenergic blocking agent and a local anesthetic with antihypertensive activity and can be used to study myocardial infarction.
Targets(IC <sub>50</sub> )	Adrenergic Receptor
In vivo	<b>METHODS:</b> Bucumolol (2.5, 5 mg/Kg, subcutaneous injection) was administered to rats to observe the physiological effects of acute ligation of the left coronary artery. <b>RESULTS:</b> Bucumolol pretreatment alleviated the electrocardiographic Q wave abnormalities, tachycardia, and frequent ventricular fibrillation caused by acute ligation of the left coronary artery in rats; and improved the survival rate in a dose-related manner. [2]

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2747 mL	16.3736 mL	32.7472 mL
5 mM	0.6549 mL	3.2747 mL	6.5494 mL
10 mM	0.3275 mL	1.6374 mL	3.2747 mL
50 mM	0.0655 mL	0.3275 mL	0.6549 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

Miyamoto M, et al. Antihypertensive activity of bucumolol, a beta-adrenergic blocking agent, in spontaneously hypertensive rats. J Pharmacobiodyn. 1981 Jul;4(7):455-60.

Koike H, et al. Effects of bucumolol, a beta-adrenergic blocking agent, and its d-isomer on myocardial infarction produced by coronary artery ligation in rats. Jpn Heart J. 1981 Sep;22(5):815-23.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481