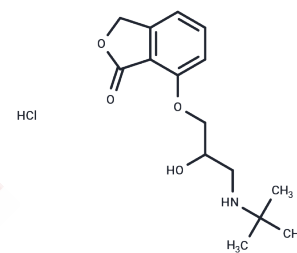


Afurolol Hydrochloride

Chemical Properties

CAS No. :	55104-39-7
Formula:	C ₁₅ H ₂₂ ClNO ₄
Molecular Weight:	315.79
Storage:	Keep away from moisture, Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Afurolol Hydrochloride (DL 071-IT) is a non-selective β -adrenergic receptor antagonist. DL 071 IT exhibits intrinsic sympathomimetic activity, reducing exercise heart rate, systolic blood pressure, and resting heart rate.
Targets(IC50)	Adrenergic Receptor

Solubility Information

Solubility	DMSO: 80 mg/mL (253.33 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (10.45 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1667 mL	15.8333 mL	31.6666 mL
5 mM	0.6333 mL	3.1667 mL	6.3333 mL
10 mM	0.3167 mL	1.5833 mL	3.1667 mL
50 mM	0.0633 mL	0.3167 mL	0.6333 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

Radice M, et al. Pharmacodynamic studies in man of the beta-adrenoceptor antagonist DL 071 IT. Eur J Clin Pharmacol. 1979 Sep;16(2):87-90.

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