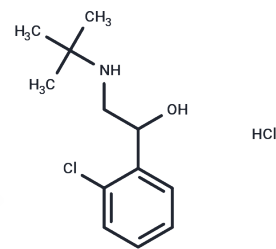


Tulobuterol hydrochloride

Chemical Properties

CAS No. :	56776-01-3
Formula:	C ₁₂ H ₁₉ Cl ₂ NO
Molecular Weight:	264.19
Storage:	Store at low temperature, 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	Tulobuterol hydrochloride (Hokunalin) is a long-acting beta2-adrenergic receptor agonist.
Targets(IC50)	Adrenergic Receptor, Antibiotic, Influenza Virus

Solubility Information

Solubility	DMSO: 60 mg/mL (227.11 mM), Sonication is recommended. H2O: 200.6 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: 2 mg/mL (7.57 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	3.7852 mL	18.9258 mL	37.8515 mL
5 mM	0.757 mL	3.7852 mL	7.5703 mL
10 mM	0.3785 mL	1.8926 mL	3.7852 mL
50 mM	0.0757 mL	0.3785 mL	0.757 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

Horiguchi, T et al. Arzneimittelforschung. 54 (5): 280-285.

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