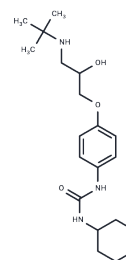


## Talinolol

## Chemical Properties

CAS No. :	57460-41-0
Formula:	C <sub>20</sub> H <sub>33</sub> N <sub>3</sub> O <sub>3</sub>
Molecular Weight:	363.49
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	(±)-Talinolol is a selective β <sub>1</sub> adrenoceptor antagonist well known for its cardioprotective and antihypertensive activity.
Targets(IC <sub>50</sub> )	Adrenergic Receptor

## Solubility Information

Solubility	DMSO: 100 mg/mL (275.11 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: 10 mg/mL (27.51 mM),Solution. 10% DMSO+90% Saline: < 10 mg/mL (27.51 mM),Lower concentrations may be soluble, but exact solubility limit is unknown. <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	2.7511 mL	13.7555 mL	27.5111 mL
5 mM	0.5502 mL	2.7511 mL	5.5022 mL
10 mM	0.2751 mL	1.3756 mL	2.7511 mL
50 mM	0.055 mL	0.2751 mL	0.5502 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

Abmann I. The actions of talinolol, a  $\beta$ 1-selective beta blocker, in cardiac arrhythmia and acute myocardial infarction]]]. Current Medical Research and Opinion, 2008, 13(6): 325-342.

Trausch B, Oertel R, Richter K, et al. Disposition and bioavailability of the  $\beta$ 1-adrenoceptor antagonist talinolol in man]]]. Biopharmaceutics & Drug Disposition, 1995, 16(5): 403-414.

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