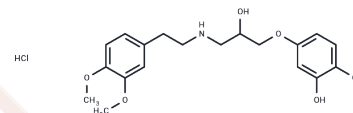


## Ro 363 hydrochloride

## Chemical Properties

CAS No. :	250580-70-2
Formula:	C <sub>19</sub> H <sub>26</sub> ClNO <sub>6</sub>
Molecular Weight:	399.87
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	Ro 363 hydrochloride is an effective, highly selective agonist of $\beta$ 1-adrenoceptor. Ro 363 hydrochloride is an effective inotropic stimulant. Ro 363 hydrochloride is a cardiovascular regulator, which can reduce diastolic blood pressure and significantly increase myocardial contractility.
Targets(IC50)	Others,Adrenergic Receptor
In vitro	In isolated heart preparations from guinea-pigs, the compound Ro 363 induced arrhythmic contractions when administered at doses that elicited 70-100% of its maximal heart rate-increasing effects [1]. Additionally, in tracheal tissues of guinea-pigs that contract spontaneously, Ro 363 acted as a potent full agonist, demonstrating approximately half the effectiveness of (-)-Isoprenaline. This activity of Ro 363 is attributed to its activation of $\beta$ 1-receptors, as evidenced by its comparable potency to (-)-Isoprenaline in affecting the trachea, heart, and ileum [2].
In vivo	In chloralose-anesthetized felines, Ro 363 exhibits negligible arrhythmogenic activity compared to epinephrine (adrenaline), especially in subjects whose cardiac sensitization has been induced by either U-0882 or halothane [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5008 mL	12.5041 mL	25.0081 mL
5 mM	0.5002 mL	2.5008 mL	5.0016 mL
10 mM	0.2501 mL	1.2504 mL	2.5008 mL
50 mM	0.050 mL	0.2501 mL	0.5002 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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