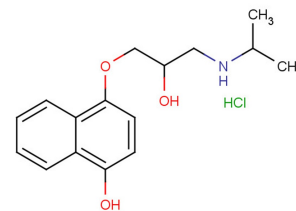


## 4-Hydroxypropranolol hydrochloride

## Chemical Properties

CAS No.:	14133-90-5
Formula:	C <sub>16</sub> H <sub>22</sub> ClNO <sub>3</sub>
Molecular Weight:	311.8
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	4-Hydroxypropranolol hydrochloride is an active metabolite of Propranolol, with a potency comparable to Propranolol. It inhibits $\beta_1$ - and $\beta_2$ -adrenergic receptors (pA <sub>2</sub> s: 8.24 and 8.26).
Targets(IC <sub>50</sub> )	Others: None

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.207 mL	16.036 mL	32.072 mL
5 mM	0.641 mL	3.207 mL	6.414 mL
10 mM	0.321 mL	1.604 mL	3.207 mL
50 mM	0.064 mL	0.321 mL	0.641 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. Fitzgerald JD, et al. Pharmacology of 4-hydroxypropranolol, a metabolite of propranolol. Br J Pharmacol. 1971 Sep;43(1):222-35.
2. Nelson WL, et al. The 3,4-catechol derivative of propranolol, a minor dihydroxylated metabolite. J Med Chem. 1984 Jul;27(7):857-61.
3. Ivan Tong Mak, et al. Potent Antioxidant Properties of 4-Hydroxyl-propranolol. Journal of Pharmacology and Experimental Therapeutics. 2004, 308(1):85-90.

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