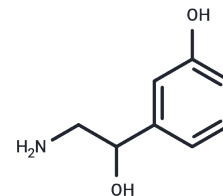


## Norfenefrine HCl

## Chemical Properties

CAS No. :	4779-94-6
Formula:	C <sub>8</sub> H <sub>12</sub> ClNO <sub>2</sub>
Molecular Weight:	189.64
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.

HCl



## Biological Description

Description	Norfenefrine HCl is an $\alpha$ 1-adrenergic receptor agonist, an endogenous neurotransmitter and sympathomimetic drug for the treatment of hypotension, causing smooth muscle contraction and vasoconstriction leading to an increase in blood pressure, and also the ability to increase glycerol levels in adipose tissue.
Targets(IC50)	Endogenous Metabolite, Adrenergic Receptor

## Solubility Information

Solubility	DMSO: 80 mg/mL (421.85 mM), Sonication is recommended. H <sub>2</sub> O: 40 mg/mL (210.93 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 (17.4 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	5.2731 mL	26.3657 mL	52.7315 mL
5 mM	1.0546 mL	5.2731 mL	10.5463 mL
10 mM	0.5273 mL	2.6366 mL	5.2731 mL
50 mM	0.1055 mL	0.5273 mL	1.0546 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

Klosa W, Wilhelm C, Schillinger H, Hillemanns HG. Therapie der Hypotonie in der Schwangerschaft mit Norfenefrinhydrochlorid unter besonderer Berücksichtigung der Auswirkungen auf den fetalen Kreislauf--erste Beobachtungen [Therapy of hypotension in pregnancy using norfenefrine hydrochloride with special reference to the effects on fetal circulation--initial observations]. Z Geburtshilfe Perinatol. 1992 Jan-Feb;196(1):21-5. German.

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