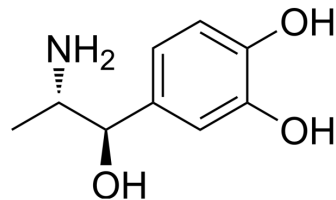


Levonordefrin

Cat. No.:	HY-107915		
CAS No.:	829-74-3		
Molecular Formula:	C ₉ H ₁₃ NO ₃		
Molecular Weight:	183.2		
Target:	Adrenergic Receptor		
Pathway:	GPCR/G Protein; Neuronal Signaling		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (272.93 mM; Need ultrasonic)
 H₂O : 5 mg/mL (27.29 mM; ultrasonic and warming and adjust pH to 1 with HCl and heat to 60°C)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	5.4585 mL	27.2926 mL	54.5852 mL
	5 mM	1.0917 mL	5.4585 mL	10.9170 mL
	10 mM	0.5459 mL	2.7293 mL	5.4585 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
 Solubility: 2.5 mg/mL (13.65 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: 2.5 mg/mL (13.65 mM); Suspended solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

Levonordefrin, a common alternative to levoepinephrine as a vasoconstrictor in dental local anesthetic preparations, is usually used in fivefold higher concentrations. Levonordefrin is generally considered equivalent to epinephrine^[1].

REFERENCES

- [1]. Robertson VJ, et al. Quantitative and qualitative analysis of the pressor effects of levonordefrin.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA