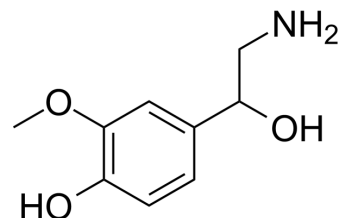


Normetanephine

Cat. No.:	HY-113517
CAS No.:	97-31-4
Molecular Formula:	C ₉ H ₁₃ NO ₃
Molecular Weight:	183.2
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (1364.63 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration	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	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (11.35 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (11.35 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (11.35 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	Normetanephine is an endogenous metabolite present in Cerebrospinal_Fluid that can be used for the research of Hypertension ^{[1][2]} .
IC ₅₀ & Target	Human Endogenous Metabolite
In Vitro	Endogenous metabolites is defined as those that are annotated by Kyoto Encyclopedia of Genes and Genomes as substrates or products of the ~1900 metabolic enzymes encoded in our genome. It is clear in the body of literature that there are documented toxic properties for many of these metabolites ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Foti A, et al. The relationships of free to conjugated normetanephrine in plasma and spinal fluid of hypertensive patients. J Clin Endocrinol Metab. 1982 Jul;55(1):81-5.
- [2]. Lee N, et al. Endogenous toxic metabolites and implications in cancer therapy. Oncogene. 2020 Aug;39(35):5709-5720.
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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