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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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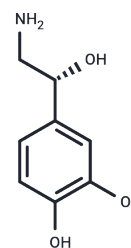
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Norepinephrine

Chemical Properties

CAS No. :	51-41-2
Formula:	C8H11NO3
Molecular Weight:	169.18
Appearance:	no data available
Storage:	keep away from direct sunlight,keep away from moisture,store under nitrogen Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Norepinephrine (Levophed) can stimulate apoptosis in adult rat ventricular myocytes by activation of the β -adrenergic pathway. It can up-regulate the expression of vascular endothelial growth factor, matrix metalloproteinase (MMP)-2, and MMP-9 in nasopharyngeal carcinoma tumour cells.
Targets(IC50)	MMP,Endogenous Metabolite,Adrenergic Receptor,Autophagy
In vitro	METHODS: Adult hippocampal cells were treated with Norepinephrine (0.1-10 μ M) for 10-13 days and the number of neurospheres was determined using classical neurosphere assay. RESULTS: A significant increase in the number of neurospheres was obtained at 100 nm and in the presence of 1 μ M Norepinephrine, and a twofold increase in the number of neurospheres was observed in the presence of 10 μ M Norepinephrine. [1] METHODS: Human pancreatic cancer cells BxPC-3 and Panc-1 were treated with Norepinephrine (10 μ M) for 12-48 h. Cell viability was assayed by MTT Assay. RESULTS: Norepinephrine treatment alone significantly enhanced the viability of PDAC cells. [2]
In vivo	METHODS: To test in vivo activity, Norepinephrine (0.2-2 mg/kg) was administered intraperitoneally to C57BL6/J mice fed a high-fat diet once daily for two weeks. RESULTS: A subset of Norepinephrine-treated mice developed unexpected adverse events, including bladder dilatation and decreased renal perfusion due to renal discoloration. [3]

Solubility Information

Solubility	H2O: < 1 mg/mL (Insoluble) DMSO: 6.25 mg/mL (36.94 mM),Sonification is recommended. ≤ 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.9109 mL	29.5543 mL	59.1086 mL
5 mM	1.1822 mL	5.9109 mL	11.8217 mL
10 mM	0.5911 mL	2.9554 mL	5.9109 mL
50 mM	0.1182 mL	0.5911 mL	1.1822 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.

Reference

Jhaveri DJ, et al. Norepinephrine directly activates adult hippocampal precursors via beta3-adrenergic receptors. *J Neurosci.* 2010 Feb 17;30(7):2795-806.
Wang H, Wu Y, Zou Q, et al. A biosensing system using a

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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