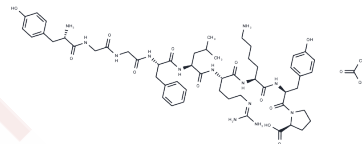


beta-Neendorphin acetate(77739-21-0 free base)

## Chemical Properties

CAS No. : 78658-39-6  
 Formula: C56H81N13O14  
 Molecular Weight: 1160.34  
 Storage: Keep away from moisture  
 Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
*Actual storage temperature shall be subject to the COA.*



## Biological Description

Description	beta-Neendorphin acetate is an agonist of $\kappa$ -opioid receptor
Targets(IC50)	MMP,ERK,Opioid Receptor
In vitro	$\beta$ -neoendorphin ( $\beta$ -NEP) accelerated wound repair through activation of mitogen-activated protein kinase (MAPK)/Erk1/2 signaling pathways in human keratinocytes.? Moreover, the wound healing effect of $\beta$ -NEP is mainly through the acceleration of keratinocyte migration without affecting cell proliferation.?Therefore, our studies reveal that $\beta$ -NEP plays an important role in the regulation of wound repair and suggest a therapeutic strategy to promote wound healing using $\beta$ -NEP.

## Solubility Information

Solubility	DMSO: 10 mM,Sonication 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	0.8618 mL	4.3091 mL	8.6182 mL
5 mM	0.1724 mL	0.8618 mL	1.7236 mL
10 mM	0.0862 mL	0.4309 mL	0.8618 mL
50 mM	0.0172 mL	0.0862 mL	0.1724 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

Dong J Y , Sang H M , Choi Y H , et al.  $\beta$ -Neoendorphin Enhances Wound Healing by Promoting Cell Migration in Keratinocyte[J]. Molecules, 2020, 25(20):4640.

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