

alpha-Endorphin acetate

Chemical Properties

CAS No. :

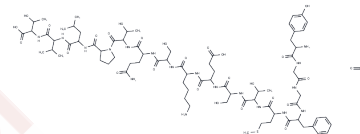
Formula: C79H124N18O28S

Molecular Weight: 1806

Keep away from moisture

Storage: 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	alpha-Endorphin acetate is related peptides of the pro-opiomelanocortin family with characteristic biological activities, were purified to homogeneity from single human pituitary.
Targets(IC50)	Others
In vivo	There is considerable evidence for the endogenous presence of neuropeptides related to γ - and α -endorphin in rat pituitary and brain. Opioid peptides with the size of γ - and α -endorphin have been detected in rat anterior and neurointermediate pituitary tissue.

Solubility Information

Solubility	H2O: 50 mg/mL (27.69 mM), Sonication is recommended. DMSO: 170 mg/mL (94.13 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	0.5537 mL	2.7685 mL	5.5371 mL
5 mM	0.1107 mL	0.5537 mL	1.1074 mL
10 mM	0.0554 mL	0.2769 mL	0.5537 mL
50 mM	0.0111 mL	0.0554 mL	0.1107 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

Burbach J , Wiegant V M . Isolation and characterization of α -endorphin and γ -endorphin from single human pituitary glands[J]. FEBS Letters, 1984, 166(2):267-272.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481