

## Dynorphin A (1-10)

### Chemical Properties

CAS No. : 79994-24-4

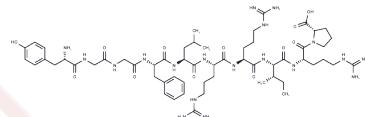
Formula: C57H91N19O12

Molecular Weight: 1234.45

Appearance:

Storage: keep away from moisture

Powder: -20°C for 3 years | In solvent: -80°C for 1 year



### Biological Description

Description	Dynorphin A (1-10), an endogenous opioid neuropeptide, interacts with the $\kappa$ -opioid receptor by binding to its extracellular loop 2 and inhibits NMDA-activated current, demonstrating an IC <sub>50</sub> value of 42.0 $\mu$ M.
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### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8101 mL	4.0504 mL	8.1008 mL
5 mM	0.162 mL	0.8101 mL	1.6202 mL
10 mM	0.081 mL	0.405 mL	0.8101 mL
50 mM	0.0162 mL	0.081 mL	0.162 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

Paterlini G, et al. Molecular simulation of dynorphin A-(1-10) binding to extracellular loop 2 of the kappa-opioidreceptor. A model for receptor activation. *J Med Chem.* 1997 Sep 26;40(20):3254-62.

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