

## Dynorphin A (1-10) TFA(79994-24-4,free)

## Chemical Properties

CAS No. :

Formula: C59H92F3N19O14

Molecular Weight: 1348.48

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

Dynorphin A (1-10) (TFA), an endogenous opioid neuropeptide, binds in the transmembrane domain of the  $\kappa$ -receptor.

## Solubility Information

Solubility

H2O: 5 mg/mL (3.71 mM), Sonication is recommended.  
( $< 1$  mg/ml refers to the product slightly soluble or insoluble)

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7416 mL	3.7079 mL	7.4158 mL
5 mM	0.1483 mL	0.7416 mL	1.4832 mL
10 mM	0.0742 mL	0.3708 mL	0.7416 mL
50 mM	0.0148 mL	0.0742 mL	0.1483 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

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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