

## [Leu5]-Enkephalin TFA(58822-25-6(free bas))

## Chemical Properties

CAS No. : 73563-78-7

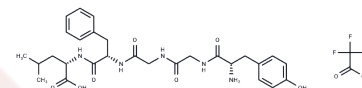
Formula: C30H38F3N5O9

Molecular Weight: 669.64

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	[Leu5]-Enkephalin TFA(58822-25-6(free bas)) (Leucyl-enkephalin) is the most potent $\delta$ -receptor ago
Targets(IC50)	Opioid Receptor,Endogenous Metabolite

## Solubility Information

Solubility	DMSO: 22.5 mg/mL (33.6 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	1.4933 mL	7.4667 mL	14.9334 mL
5 mM	0.2987 mL	1.4933 mL	2.9867 mL
10 mM	0.1493 mL	0.7467 mL	1.4933 mL
50 mM	0.0299 mL	0.1493 mL	0.2987 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

Robert J Cassell , Krishna K Sharma , Hongyu Su,et al.The Meta-Position of Phe 4 in Leu-Enkephalin Regulates Potency, Selectivity, Functional Activity, and Signaling Bias at the Delta and Mu Opioid Receptors[J].Molecules, 24 (24) 2019 Dec 1

Meunier J C , Moisan C . Binding of leu5-enkephalin and met5-enkephalin to a particulate fraction from rat cerebrum[J]. Febs Letters, 1977, 77(2):0-213.

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