

$\beta$ -Endorphin, equine (TFA)

## Chemical Properties

CAS No. :

Formula: C156H249F3N42O46S

Molecular Weight: 3537.96

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	$\beta$ -Endorphin, equine (TFA) is an endogenous opioid peptide, which binds at high affinity to both $\mu/\delta$ opioid receptors.
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## Solubility Information

Solubility	H2O: Soluble, ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2826 mL	1.4132 mL	2.8265 mL
5 mM	0.0565 mL	0.2826 mL	0.5653 mL
10 mM	0.0283 mL	0.1413 mL	0.2826 mL
50 mM	0.0057 mL	0.0283 mL	0.0565 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

Yahav Dikshtein, et al.  $\beta$ -Endorphin via the Delta Opioid Receptor is a Major Factor in the Incubation of Cocaine Craving. *Neuropsychopharmacology*. 2013 Nov; 38(12): 2508-2514.

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