

## Dermorphin

## Chemical Properties

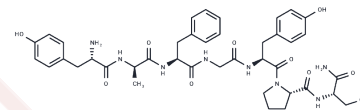
CAS No. : 77614-16-5

Formula: C40H50N8O10

Molecular Weight: 802.87

Storage: Keep away from moisture, Store at low temperature  
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	Dermorphin is agonist of $\mu$ -opioid receptor (MOR) agonist.
Targets(IC50)	Opioid Receptor

## Solubility Information

Solubility	H2O: 50 mg/mL (62.28 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
------------	--

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2455 mL	6.2277 mL	12.4553 mL
5 mM	0.2491 mL	1.2455 mL	2.4911 mL
10 mM	0.1246 mL	0.6228 mL	1.2455 mL
50 mM	0.0249 mL	0.1246 mL	0.2491 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

Robinson M A , Guan F , McDonnell S , et al. Pharmacokinetics and pharmacodynamics of dermorphin in the horse [J]. Journal of Veterinary Pharmacology and Therapeutics, 2015, 38(4):321-329.

Tiwari V , Yang F , He S Q , et al. Activation of Peripheral  $\mu$ -opioid Receptors by Dermorphin [D-Arg2, Lys4] (1-4) Amide Leads to Modality-preferred Inhibition of Neuropathic Pain.[J]. Anesthesiology, 2016, 124(3):706.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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