

Deltakephalin

Chemical Properties

CAS No. : 85286-38-0

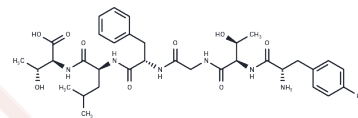
Formula: C₃₄H₄₈N₆O₁₀

Molecular Weight: 700.78

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	Deltakephalin is a synthetic, potent specific opiate delta receptors agonist.
Targets(IC50)	Opioid Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.427 mL	7.1349 mL	14.2698 mL
5 mM	0.2854 mL	1.427 mL	2.854 mL
10 mM	0.1427 mL	0.7135 mL	1.427 mL
50 mM	0.0285 mL	0.1427 mL	0.2854 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

Zajac JM, Gacel G, Petit F, Dodey P, Rossignol P, Roques BP. Deltakephalin, Tyr-D-Thr-Gly-Phe-Leu-Thr: a new highly potent and fully specific agonist for opiate delta-receptors. *Biochem Biophys Res Commun.* 1983 Mar 16; 111(2):390-7. PubMed PMID: 6301470.

Widy-Tyszkiewicz E, Członkowski A. Analgesic activity of morphiceptin, beta-casomorphin-4, and deltaxephalin in normotensive Wistar-Glaxo and spontaneously hypertensive rats. *Peptides.* 1989 May-Jun;10(3):539-44. PubMed PMID: 2780414.

Flippen-Anderson JL, Deschamps JR, Ward KB, George C, Houghten R. Crystal structure of deltaxephalin: a delta-selective opioid peptide with a novel beta-bend-like conformation. *Int J Pept Protein Res.* 1994 Aug;44(2):97-104. PubMed PMID: 7982763.

Chaillet P, Coulaud A, Fournié-Zaluski MC, Gacel G, Roques BP, Costentin J. Pain control by endogenous enkephalins is mediated by mu opioid receptors. *Life Sci.* 1983;33 Suppl 1:685-8. PubMed PMID: 6319920.

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