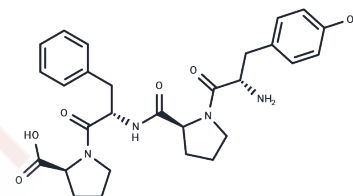


beta-Casomorphin 4

Chemical Properties

CAS No. :	74171-19-0
Formula:	C ₂₈ H ₃₄ N ₄ O ₆
Molecular Weight:	522.59
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-Casomorphin 4 shows moderate analgesic activity for mu receptors.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9135 mL	9.5677 mL	19.1355 mL
5 mM	0.3827 mL	1.9135 mL	3.8271 mL
10 mM	0.1914 mL	0.9568 mL	1.9135 mL
50 mM	0.0383 mL	0.1914 mL	0.3827 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

- Widy-Tyszkiewicz E, Członkowski A. Analgesic activity of morphiceptin, beta-casomorphin-4, and deltacephalin in normotensive Wistar-Glaxo and spontaneously hypertensive rats. *Peptides*. 1989 May-Jun;10(3):539-44. PubMed PMID: 2780414.
- Blass EM, Blom J. beta-Casomorphin causes hypoalgesia in 10-day-old rats: evidence for central mediation. *Pediatr Res*. 1996 Feb;39(2):199-203. PubMed PMID: 8825787.
- Lin L, Umahara M, York DA, Bray GA. Beta-casomorphins stimulate and enterostatin inhibits the intake of dietary fat in rats. *Peptides*. 1998;19(2):325-31. PubMed PMID: 9493865.
- Allischer HD, Storr M, Piller C, Brantl V, Schusdziarra V. Effect of opioid active therapeutics on the ascending reflex pathway in the rat ileum. *Neuropeptides*. 2000 Jun-Aug;34(3-4):181-6. PubMed PMID: 11021978.

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