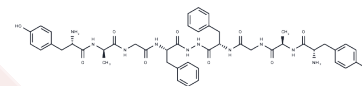


Biphalin

Chemical Properties

CAS No. :	83916-01-2
Formula:	C ₄₆ H ₅₆ N ₁₀ O ₁₀
Molecular Weight:	909
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	Biphalin is a synthetic opioid octapeptide with a palindromic sequence that has high analgesic activity. Biphalin shows a potent affinity for μ and δ -opioid receptors and a significant to κ -receptor.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1001 mL	5.5006 mL	11.0011 mL
5 mM	0.220 mL	1.1001 mL	2.2002 mL
10 mM	0.110 mL	0.5501 mL	1.1001 mL
50 mM	0.022 mL	0.110 mL	0.220 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

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- Frączak O, Lasota A, Kosson P, Leśniak A, Muchowska A, Lipkowski AW, Olma A. Biphalin analogs containing $\beta(3)$ -homo-amino acids at the 4,4' positions: Synthesis and opioid activity profiles. *Peptides*. 2015 Apr;66:13-8. doi: 10.1016/j.peptides.2015.02.004. Epub 2015 Feb 20. PubMed PMID: 25708417.
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