

Enkephalin, pen(2,5)-

Chemical Properties

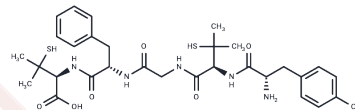
CAS No. : 88381-29-7

Formula: C₃₀H₄₁N₅O₇S₂

Molecular Weight: 647.81

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	Enkephalin, pen(2,5)- is a bioactive chemical.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5437 mL	7.7183 mL	15.4366 mL
5 mM	0.3087 mL	1.5437 mL	3.0873 mL
10 mM	0.1544 mL	0.7718 mL	1.5437 mL
50 mM	0.0309 mL	0.1544 mL	0.3087 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

He SF, Jin SY, Yang W, Pan YL, Huang J, Zhang SJ, Zhang L, Zhang Y. Cardiac μ -opioid receptor contributes to opioid-induced cardioprotection in chronic heart failure. *Br J Anaesth*. 2018 Jul;121(1):26-37. doi: 10.1016/j.bja.2017.11.110. Epub 2018 Feb 2. PubMed PMID: 29935580.

Tseng TJ, Yang ML, Hsieh YL, Ko MH, Hsieh ST. Nerve Decompression Improves Spinal Synaptic Plasticity of Opioid Receptors for Pain Relief. *Neurotox Res*. 2018 Feb;33(2):362-376. doi: 10.1007/s12640-017-9799-5. Epub 2017 Aug 23. PubMed PMID: 28836121.

McDonnell C, Leáñez S, Pol O. The induction of the transcription factor Nrf2 enhances the antinociceptive effects of delta-opioid receptors in diabetic mice. *PLoS One*. 2017 Jul 10;12(7):e0180998. doi: 10.1371/journal.pone.0180998. eCollection 2017. PubMed PMID: 28700700; PubMed Central PMCID: PMC5507309.

Margolis EB, Fujita W, Devi LA, Fields HL. Two delta opioid receptor subtypes are functional in single ventral tegmental area neurons, and can interact with the mu opioid receptor. *Neuropharmacology*. 2017 Sep 1;123:420-432. doi: 10.1016/j.neuropharm.2017.06.019. Epub 2017 Jun 21. PubMed PMID: 28645621; PubMed Central PMCID: PMC5563499.

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