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产品名称: 亮氨酸脑啡肽

产品别名: [Leu5]-Enkephalin; [Leu5]-脑啡肽; Leu-enkephalin; Leucine enkephalin; Leucyl-enkephalin

生物活性:				
Description	[Leu5]-Enkephalin is a pentapeptides with morphine like properties. [Leu5]-Enkephalin is a five amino acid endogenous peptide that acts as an agonist at opioid receptors.			
IC <sub>50</sub> & Target	Human Endogenous Metabolite			
In Vitro	Enkephalins (met-, leu-enkephalin, and enkephalin 8) and dynorphins are two classes of opioid peptides found in the spinal dorsal horn. Mu, delta, and kappa are three major subtypes of opioid receptors. Enkephalins are putative endogenous ligands for delta opioid receptors, and dynorphins are endogenous ligands for the kappa opioid receptors. Three receptor types resembling the vertebrate $\delta$ - and $\kappa$ -type opioid receptors have been characterized pharmacologically in nervous tissues (e.g. $K_i=18.9$ nM for Leu-enkephalin) and localized by autoradiography at CHH terminals in the SG of C. maenas[1].Leucine-enkephalin is a pentapeptides with morphine like properties, naturally present in mammalian brain[2].			
Solvent&Solubility	<b>In Vitro:</b> <b>DMSO : <math>\geq 150</math> mg/mL (269.97 mM)</b> <b>H<sub>2</sub>O : 100 mg/mL (179.98 mM; Need ultrasonic)</b>  * " $\geq$ " means soluble, but saturation unknown.			
	Preparing Stock Solutions	Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
		1 mM	1.7998 mL	8.9990 mL
		5 mM	0.3600 mL	1.7998 mL
		10 mM	0.1800 mL	0.8999 mL
	*请根据产品在不同溶剂中的溶解度选择合适的溶剂配制储备液; 一旦配成溶液, 请分装保存, 避免反复冻融造成的产品失效。 储备液的保存方式和期限 -80°C, 6 months; -20°C, 1 month。 -80°C 储存时, 请在 6 个月内使用, -20°C 储存时, 请在 1 个月内使用。			
References	[1]. Leu-enkephalin is a five amino acid endogenous peptide that acts as an agonist at opioid receptors. [2]. Meunier JC, et al. Binding of Leu5-enkephalin and Met5-enkephalin to a particulate fraction from rat cerebrum. FEBS Lett. 1977 May 15;77(2):209-13.			