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产品名称: 蛋氨酸脑啡肽

产品别名: Tyr-Gly-Gly-Phe-Met-OH; Met-Enkephalin; Methionine enkephalin

生物活性:				
Description	Tyr-Gly-Gly-Phe-Met-OH regulates human immune function and inhibits tumor growth via binding to the opioid receptor.			
IC ₅₀ & Target	Opioid Receptor[1].			
In Vitro	Methionine enkephalin (MENK), an endogenous neuropeptide has a crucial role in both neuroendocrine and immune systems. MENK is believed to have an immunoregulatory activity to have cancer biotherapy activity by binding to the opioid receptors on immune and cancer cells. MENK may also change the tumor microenvironment by binding to opioid receptor on or in cancer cells. All of these mechanisms of action have biologic significance and potential for use in cancer immunotherapy. Furthermore, they reveal a relationship between the endocrine and immune systems[1].			
Solvent&Solubility	In Vitro: DMSO : ≥ 40 mg/mL (69.73 mM) H ₂ O : 6.67 mg/mL (11.63 mM; Need ultrasonic) * "≥" means soluble, but saturation unknown.			
		Solvent / Mass / Concentration	1 mg	5 mg
	Preparing	1 mM	1.7432 mL	8.7160 mL
	Stock Solutions	5 mM	0.3486 mL	1.7432 mL
		10 mM	0.1743 mL	0.8716 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]. Zhao D, et al. Methionine enkephalin, its role in immunoregulation and cancer therapy. Int Immunopharmacol. 2016 Feb 23. pii: S1567-5769(16)30050-9.			