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产品名称: **NEUROTENSIN**

产品别名: 神经降压素

生物活性:				
Description	Neurotensin, a gut tridecapeptide, acts as a potent cellular mitogen for various colorectal and pancreatic cancers which possess high-affinity neurotensin receptors (NTR).			
IC ₅₀ & Target	Neurotensin receptors (NTR)[1]			
In Vitro	Neurotensin induces the expression of MIP-2, MCP-1, IL-1 β and TNF α in murine microglial cells and stimulates IL-8 secretion in a non-transformed colon epithelial cell line stably transfected with the NTR. The high-affinity NTR, a member of the G-protein coupled receptor (GPCR) family, is present in a majority of human pancreatic and colorectal cancers, suggesting that Neurotensin (NT) may act in an endocrine fashion to affect tumor growth. Acting through the NTR1, Neurotensin is known to stimulate various signal transduction pathways, including intracellular calcium ([Ca ²⁺]), the mitogen-activated protein kinases (MAPKs), ERK and JNK, and various PKC isoforms. Treatment of HCT116 cells with Neurotensin (100 nM) significantly increases HCT116 cell migration (~3-fold) compared with vehicle treatment; pretreatment with Curcumin (10 μ M) blocks the stimulatory effect of NT on HCT116 cell migration. Activation of MEK/ERK by NT and downstream induction of AP-1 transcription factors contributes to the proliferative effects of Neurotensin[1].			
Solvent&Solubility	In Vitro: H ₂ O : 33.33 mg/mL (19.92 mM; Need ultrasonic)			
	Preparing Stock Solutions	Solvent Mass Concentration	1 mg	5 mg
		1 mM	0.5978 mL	2.9888 mL
		5 mM	0.1196 mL	0.5978 mL
		10 mM	0.0598 mL	0.2989 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]. Wang X, et al. Curcumin inhibits neurotensin-mediated interleukin-8 production and migration of HCT116 human colon cancer cells. Clin Cancer Res. 2006 Sep 15;12(18):5346-55.			