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产品名称: **Biotin-VAD-FMK**
产品别名: **Biotin-VAD-FMK**

生物活性:				
Description	Biotin-VAD-FMK is a cell permeable, irreversible biotin-labeled caspase inhibitor, used to identify active caspases in cell lysates.			
IC ₅₀ & Target	Caspase			
In Vitro	Biotin-VAD-FMK is a synthetic peptide designed as a methyl ester to facilitate cell permeability.			
In Vivo	To examine whether caspase-2 is activated in the absence of proteolytic cleavage, an in vivo affinity labeling approach is used, using the biotinylated caspase inhibitor biotin-VAD-fmk that detects only active caspases[2].			
Solvent&Solubility	In Vitro: DMSO : ≥ 27.3 mg/mL (40.58 mM) * "≥" means soluble, but saturation unknown.			
	Preparing Stock Solutions	Solvent / Mass Concentration	1 mg	5 mg
		1 mM	1.4863 mL	7.4315 mL
		5 mM	0.2973 mL	1.4863 mL
		10 mM	0.1486 mL	0.7432 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]. Li J, et al. Nitric oxide suppresses apoptosis via interrupting caspase activation and mitochondrial dysfunction in cultured hepatocytes. J Biol Chem. 1999 Jun 11;274(24):17325-33. [2]. Samraj AK, et al. Loss of caspase-9 reveals its essential role for caspase-2 activation and mitochondrial membranepolarization. Mol Biol Cell. 2007 Jan;18(1):84-93.			