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产品名称: TAPI-1
产品别名: TAPI-1

生物活性:				
Description	TAPI-1 is a specific TACE (TNF- α -converting enzyme) inhibitor. IC50 value: Target: TAPI-1 inhibited LL-37-induced TGF- α production, EGFR activation and subsequent MUC5AC mucin production, whereas TGF- α -neutralizing antibody, but not AR- or HB-EGF-neutralizing antibody, inhibited LL-37-induced EGFR activation and subsequent MUC5AC mucin production in NCI-H292 cells [1]. Using the TNF- α converting enzyme (TACE) inhibitor, TAPI-1, TPA-stimulated TNF α shedding could be completely prevented in PKCepsilon transgenic mice and isolated keratinocytes [2]. Pretreatment with antibody against Fc γ RII or with CD32 siRNA, p47(phox) siRNA, apocynin, N-acetylcysteine, tumor necrosis factor- α protease inhibitor 1 (TAPI-1) or TACE siRNA attenuated sLOX-1 release induced by CRP. CRP also elevated serum sLOX-1 levels in a rabbit model of atherosclerosis [3].			
Solvent&Solubility	In Vitro: DMSO : ≥ 31 mg/mL (62.05 mM) * " \geq " means soluble, but saturation unknown.			
	Preparing Stock Solutions	Solvent Mass Concentration	1 mg	5 mg
		1 mM	2.0016 mL	10.0080 mL
		5 mM	0.4003 mL	2.0016 mL
		10 mM	0.2002 mL	1.0008 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]. Zhang Y, et al. The human Cathelicidin LL-37 induces MUC5AC mucin production by airway epithelial cells via TACE-TGF- α -EGFR pathway. Exp Lung Res. 2014 Jun 5. [2]. Wheeler DL, et al. Protein kinase Cepsilon is linked to 12-O-tetradecanoylphorbol-13-acetate-induced tumor necrosis factor-alpha ectodomain shedding and the development of metastatic squamous cell carcinoma in protein kinase Cepsilon transgenic mice. Cancer Res. 2003 Oct 1;63(19):6547-55. [3]. Zhao XQ, et al. CRP enhances soluble LOX-1 release from macrophages by activating TNF- α converting enzyme. J Lipid Res. 2011 May;52(5):923-33.			