



上海源叶生物科技有限公司
Shanghai yuanye Bio-Technology Co., Ltd
电话: 021-61312973 传真: 021-55068248
网址: www.shyuanye.com
邮箱: shyysw@sina.com

产品名称: (-)-DHMEQ

产品别名: Dehydroxymethylepoxyquinomicin

生物活性:						
Description		(-)-DHMEQ is a potent NF-κB inhibitor.				
IC ₅₀ & Target		RelA	RelB			
In Vitro		(-)-DHMEQ binds to cysteine 38 of RelA and cysteine 144 of RelB. (-)-DHMEQ at concentrations greater than 25 μM inhibits the LTβ-induced nuclear translocation of FLAG-RelB WT, whereas the inhibitory effect of (-)-DHMEQ on the nuclear translocation of FLAG-RelB (C144S) became weaker at the same concentrations[1].				
Solvent&Solubility		In Vitro: DMSO : ≥ 32 mg/mL (122.50 mM) * "≥" means soluble, but saturation unknown.				
		Preparing Stock Solutions	SolventMassConcentration 1 mM	1 mg	5 mg	10 mg
			5 mM	3.8280 mL	19.1402 mL	38.2804 mL
			10 mM	0.7656 mL	3.8280 mL	7.6561 mL
			10 mM	0.3828 mL	1.9140 mL	3.8280 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℃, 6 months; -20℃, 1 month。 -80℃ 储存时，请在 6 个月内使用， -20℃ 储存时，请在 1 个月内使用。 In Vivo: 1.(-)-DHMEQ is prepared in DMSO and then diluted with saline[2].						
References		[1]. Quach HT, et al. Eudesmane-Type Sesquiterpene Lactones Inhibit Nuclear Translocation of the Nuclear Factor κB Subunit RelB in Response to a Lymphotoxin β Stimulation. Biol Pharm Bull. 2017;40(10):1669-1677. [2]. Kang J, et al. Exposure to a combination of formaldehyde and DINP aggravated asthma-like pathology through oxidative stress and NF-κB activation. Toxicology. 2018 May 14;404-405:49-58.				
实验参考:						
Cell Assay		A549 cells transfectants stably expressing RelB WT and RelB (C144S) are preincubated with various concentrations of (-)-DHMEQ (1, 5, 10, 25, and 50 μM) for 1h and then incubated with or without LTβ (25 ng/mL) for 2 h in the presence or absence of (-)-DHMEQ.Cytoplasmic and nuclear extracts are analyzed by Western blotting[1].				
References		[1]. Quach HT, et al. Eudesmane-Type Sesquiterpene Lactones Inhibit Nuclear Translocation of the Nuclear Factor κB Subunit RelB in Response to a Lymphotoxin β Stimulation. Biol Pharm Bull. 2017;40(10):1669-1677. [2]. Kang J, et al. Exposure to a combination of formaldehyde and DINP aggravated asthma-like pathology through oxidative stress and NF-κB activation. Toxicology. 2018 May 14;404-405:49-58.				