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产品名称: **DHMEQ (racemate)**
产品别名: **rel-DHMEQ**

生物活性:				
Description	DHMEQ racemate is a NF-κB inhibitor. DHMEQ racemate is less active than (-)-DHMEQ.			
IC₅₀ & Target	NF-κB			
In Vitro	DHMEQ racemate (DHM3EQ) and (-)-DHMEQ (DHM2EQ) inhibits TNF-α-induced NF-κB activation. (-)-DHMEQ is more potent and less toxic than DHMEQ racemate[1].			
In Vivo	The antiarthritic effects of (-)-DHMEQ (DHM2EQ) and DHMEQ racemate (DHM3EQ) are examined on type-II collagen-induced arthritis in DBA1/J mice. This animal model is widely used for evaluation of antirheumatic drugs because of its pathological similarities to human rheumatoid arthritis. The arthritis is elicited and scored. (-)-DHMEQ markedly inhibits type-II-collagen-induced arthritis in mice, whereas DHMEQ racemate tends to only slightly inhibit it[1].			
Solvent&Solubility	<i>In Vitro:</i> DMSO : ≥ 32 mg/mL (122.50 mM) * "≥" means soluble, but saturation unknown.			
	Preparing Stock Solutions	Solvent	Mass	
		Concentration		
			1 mg	5 mg
				10 mg
		1 mM	3.8280 mL	19.1402 mL
		5 mM	0.7656 mL	3.8280 mL
		10 mM	0.3828 mL	1.9140 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。			
References	[1]. Matsumoto N, et al. Synthesis of NF-kappaB activation inhibitors derived from epoxyquinomicin C. Bioorg Med Chem Lett. 2000 May 1;10(9):865-9.			