## For Research Use Only Phorbol 12-myristate 13-acetate



## Catalog Number: CM00437

产品信息	Catalog Number: CM00437   CAS号: 16561-29-8   分子式: C <sub>36</sub> H <sub>56</sub> O <sub>8</sub> 主要靶点: S1P Receptor  NF- × B PKC   主要通路: 表观遗传 细胞骨架 G蛋白偶联受 体 NF- × B信号通路	分子量: 616.83 溶解度: DMSO:50 mg/mL (81.06 mM),H2O:Insoluble	
靶点活性	PKC:11.7 nM (EC50)		
体外活性	that is, a slow sustained activation (3.2-fold	is observed in the two cell types similar to th and 3.6-fold, respectively at 30 min). The par p38MAPK phosphorylation may be explained	adoxical findings that PKCs activated
体内活性	PMA reverses the damage induced by 5-hyo mitochondrial function in SOD and MDA via	Iroxydecanoic acid (5-HD). Thus, activation of the PKC pathway [3].	the mitoKATP protected
动物实验	Wistar rats are randomly divided into cerebral ventricle injection of 0.9% n ventricle injection of 0.9% normal sa the Carbenoxolone (CBX) group (n=21 30 min before MCAO; (4) Rats in the Sc DZX (2 mM×30 µ L) 30 min prior to MC ventricle injection of 5-HD (100 mM× rats in the DZX + Ro group (n=15) are 31-8425 (400 µ g/kg) is injected 15 m	nale Wistar rats (weighing 250-280 g). O seven groups. (1) Rats in the sham group ormal saline; (2) Rats in the IR group (n= ine 30 min before middle cerebral arter ) are given a lateral cerebral ventricle in h-6783 group (n=21) are given a lateral AO; (5) Rats in the 5-HD group (n=21) are 10 $\mu$ L), and after 10 min, DZX is injected given a lateral cerebral ventricle injectic in prior to MCAO; (7) The rats in the 5-HI $\mu$ g/kg) after the injection of 5-HD and I	o (n=21) are given a lateral 21) are given a lateral cerebral ry occlusion (MCAO); (3) Rats in jection of CBX (5 μg/mL×10 μL) cerebral ventricle injection of e given a lateral cerebral 15 min prior to MCAO; (6) The no of DZX, and after 10 min, Ro- D+PMA group (n=15) are given an
细胞实验	Serum starvation is with 0.1% FCS in t of time as indicated. In general, $\alpha$ T3- L $\beta$ T2 cells only by jetPRIME transfect cells (in 6 cm plates) are transfected v $\mu$ g of the DN-PKCs constructs. For L $\beta$ p38 $\alpha$ -GFP along with 9 $\mu$ g of contro Approximately 30 h after transfectior with GnRH or PMA, washed twice with	nonolayer cultured in DMEM in humidifie he same medium for 16 h. GnRH and PM 1 cells are transiently transfected by Ex ion reagent. For experiments with domi vith 1.5 $\mu$ g of p38 $\alpha$ -GFP with 3 $\mu$ g of c T2 cells, transfections are performed (i vector, pCDNA3, or with 9 $\mu$ g of the DN , the cells are serum-starved (0.1% FCS) ice-cold PBS, treated with the lysis buff entrifugation (15,000×g, 15 min, 4°C) su ].	A are then added for the length Gen 500 or by jetPRIME, while nant-negative (DN) PKCs, α T3-1 ontrol vector, pCDNA3, or with 3 n 10 cm plates) with 4 μg of I-PKCs constructs. for 16 h and later stimulated ier, followed by one freeze-thaw
描述	Phorbol 12-myristate 13-acetate (PMA) is a	dual SphK and PKC activator.	
储存	Powder: -20°C for 3 years   In solvent:	-80°C for 2 years	