

Catalog Number: CM05068

产品信息	Catalog Number: CM05068 CAS号: 167869-21-8 分子式: C ₁₆ H ₁₃ NO ₃ 主要靶点: ERK[MEK[Aryl Hydrocarbon Receptor Autophagy 主要通路: MAPK信号通路 自噬 免疫与炎症	分子量: 267.28 溶解度: Ethanol:1.3 mg/mL(5 mM),DMSO:6.7 mg/mL(25 mM)	H ₃ C O O O O O O O O O O O O O O O O O O O
靶点活性	MEK2:50 μ M (cell free) MEK1:2 μ M (cell free	e)	
体外活性	PD 098059 does not inhibit Raf-activated MA concentrations (IC 50: 2-7 μ M). PD 098059 al suppressing by 80-90% its activation by a vacultures to 95%) of the dually phosphorylate	PKK1 but that it prevents the activation of so acts as a specific inhibitor of the activat ariety of agonists [1]. Concentrations of PD ed forms of the extracellular signal-regulat	MAPKK1 by Raf or MEK kinase in vitro at tion of MAPKK in Swiss 3T3 cells, 98059 of /=10 µ M. In vivo exposure of ed kinase (IC50: 1 µ M) [2].
体内活性	PD98059 (10mg/kg) was administered 1 and exudation and the migration of polymorpho attenuated the NF-kappaB activation and M/ mg/kg) 1 h after carrageenan caused a reduc	d 6h after zymosan administration i.p. PD98 nuclear cells caused by zymosan. Treatmei APK expression induced by zymosan injecti tion in all the parameters of inflammatior	3059 attenuated the peritoneal nt of mice with PD98059 (10mg/kg) ion [3]. Administration of PD98059 (10 n measured [4].
动物实验	Mice were randomized into 4 groups (carrageenan-induced pleurisy and rec bolus 1 h after carrageen administrati administered PD98059 (10 mg/kg, i.p. group. Sham-treated group in which id that the saline was administered inste Sham+saline group except for the adm administration of saline (N=10). The do studies that demonstrated regulation	n= 40 animals/group): (i) CAR + vehicle eived the vehicle for PD98059 (10% on(N=10); (ii) PD98059 group. Same a bolus) 1 h after carrageenan administ entical surgical procedures to the CA ad of carrageenan (n=10); (iv) Sham+ inistration of PD98059 (10 mg/kg i.p ises of PD98059 (10 mg/kg) used her of the inflammation process [4].	e group. Mice were subjected to dimethylsulfoxide (DMSO) (v/v) i.p. s the CAR + vehicle group but were tration (N=10); (iii) Sham+saline AR group were performed, except PD98059 group. Identical to . bolus) 1h after carrageenan e were based on previous in vivo
细胞实验	The MCF10A-Neo and MCF10A-NeoT lir plasmid and the pHo6 plasmid contain carcinoma cell line, and subsequent se survivors, as opposed to clonal lines. V ng/ml, the cells were cultured in supp a humidified atmosphere of 95% air/5 concentrations of chemicals dissolved Subconfluent cultures are treated with by ability to exclude trypan blue. Cultu buffered saline (2.7 mM KCl, 1.5 mM Kh 280°C [2].	hes were derived by transfection of the ing an Ha-ras oncogene derived from election for resistance to G418. The tu With the exception of the EGF content lemented Dulbecco's modified Eagle % CO2 at 37°C. Subconfluent culture in DMSO (absolute volume of solven n PD98059 (0-100 μ M). Viability of ce res earmarked for RNA isolation were I2PO4, 137mM NaCl, 8 mM Na2HPO4, J	he MCF10A cell line with the pHo6 in the human T24 bladder ransfected lines represent pooled being increased from 10 to 20 's medium/Ham's F-12 medium in se were treated with varying t < 0.1% of medium volume). Ells after treatment was assessed washed twice with phosphate- pH 7.2) at harvesting and stored at
描述	PD98059 is a non-ATP competitive MEK inhi	bitor (IC 50: 2/50 µ M for MEK1/MEK2).	
储存	Powder: -20°C for 3 years In solvent: -	80°C for 2 years	