For Research Use Only (-)-Epicatechin



Catalog Number: CM00724

产品信息	Catalog Number: CM00724 CAS号: 490-46-0 分子式: C ₁₅ H ₁₄ O ₆ 主要靶点: Endogenous Metabolite COX Ferroptosis 主要通路: 神经科学 代谢 凋亡 免疫与炎症	分子量: 290.28 溶解度: H2O:<1 mg/mL,DMSO:54 mg/mL (186 mM),Ethanol:<1 mg/mL	
靶点活性	СОХ-1:3.2 µМ		
体外活性	(-)-Epicatechin stimulates mitochondrial res not affected. (-)-Epicatechin sensitizes Panc- of 1.7, 1.5, and 1.2, respectively. (-)-Epicatecd 0.9, suggesting cancer cell selectivity. (-)-Ep radiation in cancer, but not normal cells[2].	piration and oxygen consumption in Panc-: 1, U87, and MIA PaCa-2 cells with an avera nin does not sensitize normal fibroblast cel icatechin enhances Chk2 phosphorylation a	1 cells. Human normal fibroblasts are ge radiation enhancement factor (REF) Is to ionizing radiation with a REF of and p21 induction when combined with
体内活性	Aging has deleterious effects on modulators flavanol (?)-epicatechin can partially revers levels increase with aging, while those of fo galactosidase and increases levels of marke aging while follistatin, MyoD and myogenin and the ratio of plasma follistatin/myostati skeletal muscle capillarity, mitochondrial b fatigue and higher endurance capacity wher protein expression between angiogenic and	of muscle growth/differentiation, the cons e these changes. In mice, myostatin and se llistatin and Myf5 decrease. (?)-Epicatechir rs of muscle growth. In humans, myostatin decrease. Treatment for 7 days with (?)-ep [1]. Low-dose (?)-epicatechin treatment re iogenesis, and oxidative enzyme activity, y compared to the placebo group. (?)-epicate antiangiogenic factors, such as VEGF-A and	sumption of modest amounts of the nescence-associated β -galactosidase n decreases myostatin and β - and β -galactosidase increase with icatechin increases hand grip strength sulted in significant increases in which corresponded to lower muscle echin may potentially regulate the d TSP-1, respectively[3].
细胞实验	Panc-1 cells are seeded into T-150 flas of (-)-epicatechin for 1 h, then harvest µ M oligomycin, 1 mM PMSF,10 mM KF, of 20 mM ascorbate and 200 µ M subst	iks and on the next day, cells are treat ed and solubilized in 10 mM HEPES (pl 2 mM EGTA, and 1 mM Na3VO4. COX ac rate cytochrome c from cow heart.(O	ted with different concentrations H 7.4), 40 mM KCl, 1%Tween-20, 1 ctivity is measured in the presence nly for Reference)
描述	(-)-Epicatechin is an inhibitor of cyclooxyger nuclear localization of the p65 subunit of NF	hase-1 (COX-1), inhibiting the IL-1 β -induce - κ B.	ed expression of iNOS by blocking the
储存	Powder: -20°C for 3 years In solvent: -	80°C for 2 years	