For Research Use Only Bardoxolone



Catalog Number: CM04716

| 产品信息 | Catalog Number: CM04716 CAS号: 218600-44-3 分子式: C ₃₁ H ₄₁ NO ₄ 主要靶点: Nrf2[Others 主要通路: 其他 免疫与炎症 | 分子量: 491.7 溶解度: DMSO:100 mg/mL(203.39 mM),Sonification is recommended. | |
|------|---|--|---|
| 体外活性 | Bardoxolone methyl is a novel synthetic trit inhibits NF- × B and Janus-activated kinase/ inhibit proliferation, and induce apoptosis ir | erpenoid and antioxidant inflammation mo STAT signaling. Bardoxolone methyl has b n cancer cell lines[2]. | odulator that potently induces Nrf2 and een shown to induce differentiation, |
| 体内活性 | Kidney sections from Bardoxolone methyl-tr similar mRNA expression across groups. The analyses, which demonstrated that Bardoxol the monkey kidney. Bardoxolone methyl ad mRNA expression of cubilin in the kidney. TI significantly differed from that at baseline a administration, urinary albumin-to-creatinir increased compared with those in animals re increased compared with those in animals re increased 27.9% in Bardoxolone methyl-tree feeding (HFD/BARD), only fed a high-fat diet have a marked increase in the number of F4, compared with LFD mice and by 32% (p<0.0 | eated monkeys demonstrates decreased m visualized decrease in megalin protein ex one methyl administration significantly de ministration does not affect the protein exp re creatinine clearance in monkeys admini nd in vehicle-treated animals on day 28. A ne ratios (UACRs), determined from the 24- aceiving vehicle. Of note, UACRs decreases ated monkeys[3]. Male C57BL/6J mice are a (HFD), or fed low-fat diet (LFD) for 21 weel (80 crown-like structures (+95%; p<0.001), (80 interstitial macrophages is significantly 1) compared with HFD/BARD mice[4]. | regalin protein expression although pression is confirmed by densitometry ecreased megalin protein expression in pression of cubilin in the kidney or the istered Bardoxolone methyl frer 28 days of Bardoxolone methyl nour urine collections, are significantly 53.3% in vehicle-treated animals and administered oral BARD during HFD ks. Compared with LFD mice, HFD mice which is effectively prevented by BARD y higher in HFD mice by 98% (p<0.001) |
| 描述 | CDDO is a synthetic oleanane triterpenoid the COX-2 in INF- γ -activated mouse macrophan species (ROS/RNS) formation, it promotes the with tumorigenesis. In various Y cell lines, C Mechanism studies revealed that CDDO is a genes regulated by Nrf2, including heme oxy signaling activity. | nat blocks the cellular synthesis of inducibl ges with an IC50 value of 0.4 nM. By suppre e cellular control of ROS/RNS levels that w DDO has been shown to specifically inhibi ligand for peroxisome proliferator-activate ygenase-1 and eotaxin-1, which play a role | le nitric oxide synthase and inducible sssing reactive oxygen and nitrogen ould lead to DNA damage associated t proliferation and induce apoptosis. ed receptor γ , and also that it induces in antioxidant response element |
| 储存 | Powder: -20°C for 3 years In solvent: - | 80°C for 2 years | |