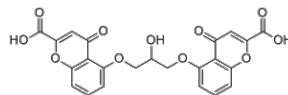


产品名称 : Cromoglicic acid

同义词 : Cromolyn | FPL-670

产品货号 : M12332

CAS Number : 16110-51-3



分子式 : C₂₃H₁₆O₁₁

分子量 : 468.367

化学全名 : 5-[3-(2-carboxy-4-oxochromen-5-yl)oxy-2-hydroxypropoxy]-4-oxochromene-2-carboxylic acid

产品描述 : Cromoglicic acid is a mast cell stabilizer with anti-inflammatory activity that prevents the release of inflammatory chemicals such as histamine, leukotrienes from mast cells; also inhibits chloride channels, and binds S100P to block the interaction between S100P and RAGE. Psoriasis Phase 3 Clinical(In Vitro):Cromolyn sodium (Disodium Cromoglycate; FPL-670) is a chromone complex that acts by inhibiting the release of chemical mediators from sensitized mast cells. It is used in the prophylactic treatment of both allergic and exercise-induced asthma, but does not affect an established asthmatic attack. (In Vivo):Pretreatment of IIR mice with Cromolyn sodium (Disodium Cromoglycate; FPL-670) prior to ischemia exhibited no changes of ET-1 levels, injury score and inflammation (P>0.05, PreCr vs. M groups). In conclusion, administration of Cromolyn (sodium) after reperfusion, but not prior to ischemia, attenuates IIRI by downregulating ET-1 and suppressing sustained MC activation. Cromolyn (sodium) has a role in the prevention of Chronic lung disease(CLD). Cromolyn (sodium) cannot be recommended for the prevention of CLD in preterm infants.

通路 : Others

靶点 : Other Targets

受体 : Other Targets

溶解度 : ——

SMILES : C1=CC2=C(C(=C1)OCC(COC3=CC=CC4=C3C(=O)C=C(O4)C(=O)O)O)C(=O)C=C(O2)C(=O)O

存储条件 : (-20℃)

稳定性 : ≥ 2 years

参考文献 :

1. Heinke S, et al. Br J Pharmacol. 1995 Aug;115(8):1393-8. 2. Zur E, et al. Int J Pharm Compd. 2012 Sep-Oct;16(5):386-93. 3. Penumutchu SR, et al. Biochem Biophys Res Commun. 2014 Nov 21;454(3):404-9.

仅限科学研究使用，不得用于人体。