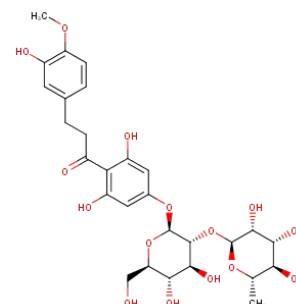


Catalog Number: CM00394

产品信息

Catalog Number:
CM00394CAS号:
20702-77-6分子式:
C₂₈H₃₆O₁₅主要靶点:
Reactive Oxygen Species主要通路:
NF- κ B信号通路|代谢|免疫与炎症分子量:
612.58溶解度:
Ethanol:100 mg/mL (163.24 mM), H₂O:<1 mg/mL, DMSO:100 mg/mL (163.24 mM)

体内活性

Neohesperidin dihydrochalcone administration causes a significant reduction in the activities of two useful markers of liver damage, AST and ALT. The relative levels of NF- κ B, IL-6, IL-1 β and TNF- α protein in the liver of PQ-treated mice are inhibited by neohesperidin dihydrochalcone[3]. The embryotoxicity/teratogenicity of neohesperidin dihydrochalcone is examined in Wistar Crl:(WI)WU BR rats. No adverse effects are observed at neohesperidin dihydrochalcone levels of up to 5% of the diet, the highest dose level tested, at which the rats consumed about 3.3 g/kg body weight/day[4].

细胞实验

WST-8 dye is used in the cell viability assay. HIT-T15 and HUVEC cells are grown and maintained in Dulbecco's modified Eagle's medium, supplemented with 10% fetal bovine calf serum. 1000 cells in each well are incubated with various concentrations of neohesperidin dihydrochalcone (50, 100, 500 μ M, 1 mM) and other compounds. After treating HIT-T15 and HUVEC cells with 500 μ M HOCl, WST-8 dye is added to each well, and the absorbance is detected at 420 nm with microplate reader[1].

描述

Neohesperidin Dihydrochalcone (Neohesperidin DC) is an artificial sweetener derived from citrus.

储存

Powder: -20°C for 3 years | In solvent: -80°C for 2 years