

For Research Use Only

Apigenin-7-glucuronide



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Catalog Number: CM04105

产品信息

Catalog Number:
CM04105

CAS号:
29741-09-1

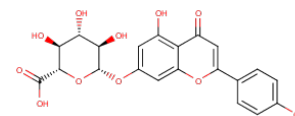
分子式:
C₂₁H₁₈O₁₁

主要靶点:
MMP

主要通路:
蛋白酶体

分子量:
446.36

溶解度:
DMSO:50 mg/mL (112.02 mM)



靶点活性

MMP-13:0.27 μ M|MMP-9:17.52 μ M|MMP-8:22.39 μ M|MMP-3:12.87 μ M

体内活性

Apigenin-7-O- β -D-glucuronide (AG) suppressed the release of nitric oxide (NO), prostaglandin E2 (PGE2), and tumour necrosis factor- α (TNF- α) in LPS-stimulated RAW 264.7 macrophages in a dose-dependent manner without affecting cell viability. Additionally, AG suppressed LPS-induced mRNA expression of inducible nitric oxide synthase (iNOS), cyclooxygenase-2 (COX-2), and TNF- α . AG treatment decreased the translocation of c-Jun into the nucleus and decreased activator protein-1 (AP-1)-mediated luciferase activity through the inhibition of both p38 mitogen-activated protein kinase (MAPK) and extracellular signal-regulated kinase (ERK) phosphorylation [2].

描述

Apigenin-7-glucuronide possesses multiple activities, including antioxidant, anti-inflammatory, and aldose reductase inhibitory activities, it can inhibit MMP activities (IC₅₀s: 12.87, 22.39, 17.52, 0.27 μ M for MMP-3, MMP-8, MMP-9, MMP-13, respectively).

储存

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

For technical support and original validation data for this product please contact

T: 027-87531629

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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