

Salixteroside D

Chemical Properties

CAS No. :

Formula: C₂₂H₂₆O₁₁

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Salixteroside D is a derivative of salicin, exhibiting anti-inflammatory properties by inhibiting the MAPK and NF-κB signaling pathways.
Targets(IC50)	NF-κB,p38 MAPK
In vitro	Salixteroside D, at a concentration of 20 μM for 24 hours, inhibits the production of NO in RAW 264.7 cells with an IC ₅₀ of 6.75 μM, and exhibits no toxicity to RAW 264.7 cells. Additionally, Salixteroside D at concentrations ranging from 5-20 μM for 12 hours suppresses the expression of inflammatory mediators IL-1β, IL-6, iNOS, and COX-2 in Lipopolysaccharides-induced RAW 264.7 macrophages.

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