3-Deoxysappanchalcone

Cat. No.: HY-N1745A
CAS No.: 112408-67-0
Molecular Formula: C₁₆H₁₄O₄
Molecular Weight: 270.28
Target: Influenza Virus
Pathway: Anti-infection
Storage: Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description
3-Deoxysappanchalcone is a naturally-occurring chalcone compound isolated from Caesalpinia sappan L. (Leguminosae), which possesses anti-allergic, antiviral, anti-inflammatory and antioxidant activities. 3-Deoxysappanchalcone exerts anti-inflammatory activity via induce heme oxygenase-1 (HO-1) expression by activating the AKT/mTOR pathway in murine macrophages. 3-Deoxysappanchalcone also exhibits anti-influenza virus activity (H3N2, IC₅₀ = 1.06 μM)[1][2].

IC₅₀ & Target
IC₅₀: 1.06 μM (H3N2)[2]

REFERENCES
