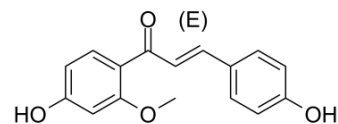


3-Deoxysappanchalcone

Cat. No.:	HY-N1745A
CAS No.:	112408-67-0
Molecular Formula:	C ₁₆ H ₁₄ O ₄
Molecular Weight:	270.28
Target:	Influenza Virus
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description	3-Deoxysappanchalcone is a naturally-occurring chalcone compound isolated from <i>Caesalpinia sappan</i> 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, IC ₅₀ = 1.06 μM) ^{[1][2]} .
IC ₅₀ & Target	IC ₅₀ : 1.06 μM (H3N2) ^[2]

REFERENCES

- [1]. Kim JH, et al. The anti-inflammatory effect of 3-deoxysappanchalcone is mediated by inducing heme oxygenase-1 via activating the AKT/mTOR pathway in murine macrophages. *Int Immunopharmacol.* 2014 Oct;22(2):420-6.
- [2]. Liu AL, et al. In vitro anti-influenza viral activities of constituents from *Caesalpinia sappan*. *Planta Med.* 2009 Mar;75(4):337-9.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA