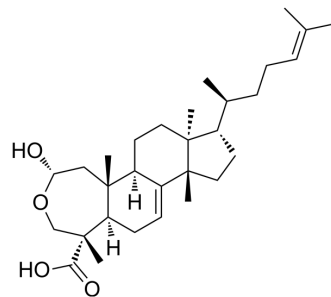


Meliadubin B

Cat. No.:	HY-156241
Molecular Formula:	C ₃₀ H ₄₈ O ₄
Molecular Weight:	472.7
Target:	NO Synthase; Fungal
Pathway:	Immunology/Inflammation; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Meliadubin B is a natural triterpenoid with significant inflammatory inhibition effect toward superoxide anion generation in human neutrophils (EC₅₀ of 5.54 μM). Meliadubin B inhibits inducible nitric oxide synthase. Meliadubin B shows remarkable inhibition against the rice pathogenic fungus *Magnaporthe oryzae* with IC₅₀ of 182.50 μM.

REFERENCES

[1]. Hieu Tran Trung, et al. Anti-inflammatory and Antiphytopathogenic Fungal Activity of 2,3- seco-Tirucallane Triterpenoids Meliadubins A and B from *Melia dubia* Cav. Barks with ChemGPS-NP and In Silico Prediction. ACS Omega. 2023 Sep 27;8(40):37116-37127.

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