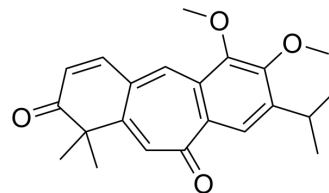


Taxamairin B

Cat. No.:	HY-N12042
CAS No.:	110300-77-1
Molecular Formula:	C ₂₂ H ₂₄ O ₄
Molecular Weight:	352.42
Target:	TNF Receptor; PI3K; Reactive Oxygen Species; Interleukin Related
Pathway:	Apoptosis; PI3K/Akt/mTOR; Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Taxamairin B is a potent anti-inflammatory agent. Taxamairin B decreases proinflammatory cytokines (TNF- α , IL-1 β and IL-6) expression and the production of NO and ROS in LPS-induced RAW264.7 cells. Taxamairin B exhibits significant protective effects in LPS-induced acute lung injury in mice^{[1][2]}.

REFERENCES

[1]. Liu M, et al. Rapid access to icetexane diterpenes: Their protective effects against lipopolysaccharides-induced acute lung injury via PI3K/AKT/NF- κ B axis in macrophages. *Eur J Med Chem.* 2023 Nov 15;260:115769.

[2]. Liang JY, et al. Two new antineoplastic diterpenes from *Taxus mairei*. *Chem Pharm Bull (Tokyo).* 1987 Jun;35(6):2613-4.

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