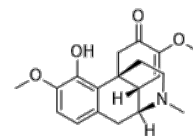


Product Name : Sinomenine
Cat. No. : PC-27621
CAS No. : 115-53-7
Molecular Formula : C₁₉H₂₃NO₄
Molecular Weight : 329.40
Target : Keap1-Nrf2
Solubility : 10 mM in DMSO



Biological Activity

Sinomenine is a natural alkaloid with potential anti-fibrotic activity, inhibits the binding of Keap1 to Nrf2, promotes the nuclear accumulation of Nrf2, induces upregulated expressions of Nrf2-dependent antioxidative genes.

Sinomenine regulates macrophage reprogramming via the PI3K-AKT-NF-kappaB pathway to ameliorate osteoarthritis.

Sinomenine regulates the AKT/FOXO3/GLUL pathway to inhibit pulmonary fibroblast-to-myofibroblast transition via alpha7nAChR against rheumatoid arthritis associated interstitial lung disease.

Sinomenine efficiently induces nuclear translocation of Nrf2, and increased in ARE activity in a concentration-dependent manner.

References

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Caution: Product has not been fully validated for medical applications. Lab Use Only!

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