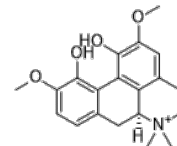


Product Name : Magnoflorine iodide
Cat. No. : PC-27799
CAS No. : 4277-43-4
Molecular Formula : C₂₀H₂₄INO₄
Molecular Weight : 469.32
Target : NF-κB
Solubility : 10 mM in DMSO



Biological Activity

Magnoflorine iodide ((+)-Magnoflorine iodide) is a dietary alkaloid from *Alpinia oxyphylla* fruit within anxiolytics, anti-cancer, and anti-inflammatory properties, inhibits the activation of NF-κB and MAPK signaling pathways. Magnoflorine alleviates dextran sulfate sodium-induced ulcerative colitis via inhibiting JAK2/STAT3 signaling pathway. Magnoflorine increases transforming growth factor β-induced factor 1 (TGIF1) transcriptional activity by promoting ubiquitination and degradation of KDM3A, thus inhibiting the activation of TGF-β1/Smad2/3 signaling. Magnoflorine attenuates Ang II-induced cardiac remodeling via promoting AMPK-regulated autophagy.

References

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Chang L, et al. Front Physiol. 2020 Dec 22;11:580406.

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

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