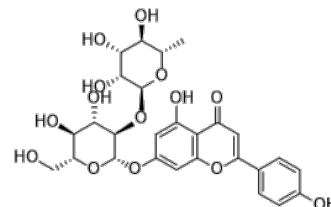


Product Name : Rhoifolin
Cat. No. : PC-27550
CAS No. : 17306-46-6
Molecular Formula : C₂₇H₃₀O₁₄
Molecular Weight : 578.52
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

Rhoifolin is a natural flavonoid with anti-inflammatory and antiparasitic potential, is a direct potassium channel modulatory factor 1 (KCMF1) binder that stabilizes AMPK α and ameliorates MASLD, also inhibits the specific binding site of ALDH2-PKC δ , significantly increases chemosensitivity.

Rhoifolin selectively potentiates ILC3s effector function without affecting their proliferation, apoptosis, intestinal homing, developmental differentiation, or the distribution of CCR6⁺, NKp46⁺, and double-negative ILC3s subsets, directly targets NMNAT1.

Rhoifolin inhibits ferroptosis and alleviates pulmonary arterial hypertension via the TNF- α /TNF-R1/CASP8/CASP3 pathway.

Rhoifolin targets leukemia stem cells (LSCs) within the bone marrow microenvironment, work synergistically with conventional chemotherapy drugs, and exhibit no toxicity toward normal cells.

References

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Tang M, et al. Metabolism. 2026 Sep;182:156651.

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

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