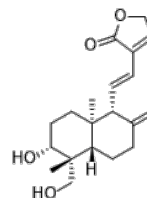


Product Name : 14-deoxy-11,12-didehydroandrographolide
Cat. No. : PC-28516
CAS No. : 42895-58-9
Molecular Formula : C₂₀H₂₈O₄
Molecular Weight : 332.44
Target : TRP Channel
Solubility : 10 mM in DMSO



Biological Activity

14-deoxy-11,12-didehydroandrographolide (DDA, DDHA) is an **andrographolide metabolite** within antiviral, antipyretic, immunostimulant and anticancer activities, potently inhibits cannabidiol (CBD)-evoked **TRPV3** activation with IC₅₀ of 7 nM, modulates the immune system by regulating chemokine signaling, Rap1 signaling, cytokine-cytokine receptor interaction, MAPK signaling, NF-kappa B signaling, RAS signaling, p53 signaling, HIF-1 signaling, and natural killer cell-mediated cytotoxicity.

References

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Kalinovskii AP, et al. *Cell Calcium.* 2026 Oct 10;138:103201.
Khanal P, et al. *RSC Adv.* 2021 Jan 27;11(9):5065-5079.

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

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