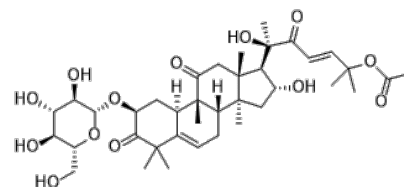


Product Name : Arvenin I
Cat. No. : PC-27189
CAS No. : 65247-27-0
Molecular Formula : C₃₈H₅₆O₁₃
Molecular Weight : 720.85
Target : MEK (MAP2K)
Solubility : 10 mM in DMSO



Biological Activity

Arvenin I is a plant natural product that activates T cells within the cancer-competitive environment, covalently reacts with and hyperactivates MKK3 (Mitogen-activated protein kinase kinase 3, MAP2K3), thereby reviving the mitochondrial fitness of exhausted T cells through the activation of p38MAPK pathway.

References

Takemoto M, et al. J Am Chem Soc. 2025 Jan 22;147(3):2902-2912.

Mata R, et al. J Nat Prod. 1988 Sep-Oct;51(5):836-9.

Singh VP, et al. Acc Chem Res. 2026 Jun 24. doi: 10.1021/acs.accounts.6c00316.

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

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