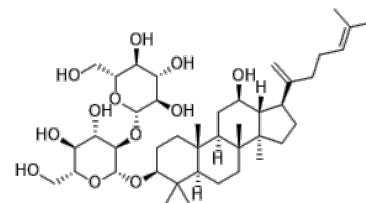


Product Name : Ginsenoside Rk1
Cat. No. : PC-27697
CAS No. : 494753-69-4
Molecular Formula : C₄₂H₇₀O₁₂
Molecular Weight : 767.01
Target : Telomerase
Solubility : 10 mM in DMSO



Biological Activity

Ginsenoside Rk1 is a ginsenoside extracted from sun ginseng with anti-inflammatory and anti-tumor properties, inhibits **telomerase** activity in HepG2 cells.

Ginsenoside Rk1 decreases expression levels of telomerase reverse transcriptase (hTERT) and c-Myc mRNA.

Ginsenoside Rk1 induces apoptosis through activation of caspases-8 and -3.

Ginsenoside Rk1 suppresses pro-inflammatory responses in lipopolysaccharide-stimulated RAW264.7 cells by inhibiting the Jak2/Stat3 pathway.

Ginsenoside Rk1 induces phosphorylation of myosin light chain and cortactin.

References

Kim YJ, et al. *Biol Pharm Bull.* 2008 May;31(5):826-30.

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

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