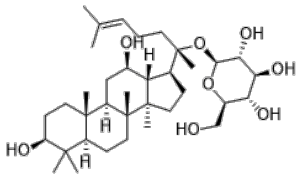
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Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	Ginsenoside compound K
Cat. No.	:	PC-28727
CAS No.	:	39262-14-1
Molecular Formula	:	$C_{36}H_{62}O_8$
Molecular Weight	:	622.88
Target	:	Deubiquitinase (DUB)
Solubility	:	10 mM in DMSO



Biological Activity

Ginsenoside compound K (GCK, Ginsenoside C-K, Ginsenoside K) is a deglycosylated ginsenoside metabolite with anti-inflammatory, vascular-protective and anticancer properties, targets **DUSP5** to inhibit the malignant progression of glioblastoma, also inhibits **PRELID3B** (Kd=23 uM) to inhibit lung cancer.
Ginsenoside compound K (GCK, Ginsenoside C-K) inhibits complement C1qA/C3-CR3-mediated microglial synaptic pruning and neuronal pyroptosis.
Ginsenoside compound K (GCK, Ginsenoside C-K) inhibits and stabilizes PRELID3B in cellular thermal shift assay and bind PRELID3B with Kd of 23 uM.
Ginsenoside compound K (GCK, Ginsenoside C-K) markedly inhibited the proliferation and migration of glioblastoma cells and significantly disrupted their cell cycle.
Ginsenoside compound K (GCK, Ginsenoside C-K) suppresses glioblastoma progression by dephosphorylating p-ERK1/2 via upregulation of DUSP5 expression.
Ginsenoside compound K (GCK, Ginsenoside C-K) exerts osteoprotective effects by suppressing osteoclastogenesis and promoting preosteoclast PDGF-BB-induced angiogenesis via targeting CSF1R.
Ginsenoside compound K (GCK, Ginsenoside C-K) exhibits anti-inflammatory effects by reducing iNOS and COX-2. suppresses cancerous cell proliferation, and the safeguarding of cardiovascular, hepatic, and renal functions.

References

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

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