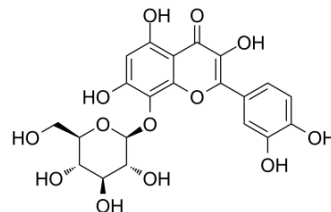


Gossypin

Cat. No.:	HY-125911
CAS No.:	652-78-8
Molecular Formula:	C ₂₁ H ₂₀ O ₁₃
Molecular Weight:	480.38
Target:	NF-κB
Pathway:	NF-κB
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description

Gossypin is a flavone isolated from *Hibiscus vitifolius* and has antioxidant, antiinflammatory, anticancer, anticataract, antidiabetic, analgesic and hepatoprotective activities. Gossypin inhibits **NF-κB** and NF-κB-regulated gene expression. Gossypin inhibits RANKL-induced **osteoclastogenesis** both in mouse primary bone marrow cells and RAW 264.7 cells in vitro^{[1][2]}.

IC₅₀ & Target

IC₅₀: NF-κB^[1]

REFERENCES

[1]. Ajaikumar B Kunnumakkara, et al. Gossypin, a pentahydroxy glucosyl flavone, inhibits the transforming growth factor beta-activated kinase-1-mediated NF-kappaB activation pathway, leading to potentiation of apoptosis, suppression of invasion, and abrogation of osteoclastogenesis. *Blood*. 2007 Jun 15;109(12):5112-21.

[2]. Kanika Patel, et al. Gossypin: A phytochemical of multispectrum potential. *the Journal of Coastal Life Medicine*.

Caution: Product has not been fully validated for medical applications. For research use only.

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