



Product Information

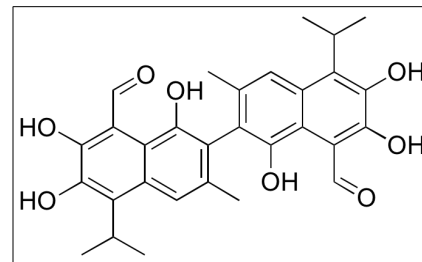
Product ID G5874
CAS No. 303-45-7
Chemical Name 1,1',6,6',7,7'-Hexahydroxy-3,3'-dimethyl-5,5'-bis(1-methylethyl)[2,2'-binaphthalene]-8,8'-dicarboxaldehyde

Synonym 2,2'-bis(8-Formyl-1,6,7-trihydroxy-5-isopropyl-3-methylnaphthalene)

Formula C₃₀H₃₀O₈
Formula Wt. 518.55
Melting Point 198
Purity ≥98%
Solubility Soluble in DMSO, methanol or ethanol. Insoluble in water.

Store Temp 4°C
Ship Temp Ambient

Description Gossypol is a polyphenol found in *Gossypium* that exhibits anti-fertility, antimalarial, immunosuppressive, antiviral, and anticancer chemotherapeutic activities. Gossypol inhibits calcineurin, PKC, and other kinases. Gossypol is under consideration for use as a male contraceptive as it induces spermatogenesis arrest. Gossypol also inactivates HIV-1 in vitro and inhibits viral entry of H5N1 influenza virus. In vitro, gossypol inhibits ConA-induced increases in NF-κB, NFAT, and AP-1 signaling, suppressing T cell activation in vitro. Gossypol also acts as a BH3 mimetic, inhibiting Bcl-2 and Bcl-xL, inducing G2/M phase cell cycle arrest in wild type and B-RAF mutant melanoma and myeloma cells. TEST!!!!!!



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
G5874	25 mg	\$52.50
G5874	100 mg	\$127.40
G5874	250 mg	\$247.30

References Jang GH, Lee M. BH3-mimetic gossypol-induced autophagic cell death in mutant BRAF melanoma cells with high expression of p21Cip1. Life Sci. 2014 Apr 25;102(1):41-8. PMID: 24625733.

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Caution: This product is intended for laboratory and research use only. It is not for human or drug use.