



Formula: C₃₀H₃₀O₈

MW: 518.56

CAS: 303-45-7

MDL: MFCD00017352

TNP: TNP00355

1,1',6,6',7,7'-HEXAHYDROXY-3,3'-DIMETHYL-5,5'-BIS(1-METHYLETHYL)-[2,2'-BINAPHTHAL
ENE]-8,8'-DICARBOXALDEHYDE;
2,2'-BIS[8-FORMYL-1,6,7-TRIHYDROXY-5-ISOPROPYL-3-METHYLNAPHTHALENE];
2,2'-BIS[8-FORMYL-1,6,7-TRIHYDROXY-5-ISOPROPYL-3-METHYLNAPHTHALENE];
2,2'-BI[8-FO



LogP: 7.33

LogS:

Acceptors: 8

Donors: 6

Rotation Bonds: 11

Chiral Centers: 0

N+O: 8

LIPINSKY: 1

Info: M.P. 199 oC

http://chem.sis.nlm.nih.gov/chemidplus/ProxyServlet?objectHandle=DBMaint&actionHandle=default&nextPage=jsp/chemidheavy/ResultScreen.jsp&ROW_NUM=0&TXTSUPERLISTID=000303457

IUPAC: 7-[8-formyl-1,6,7-trihydroxy-3-methyl-5-(methylethyl)(2-naphthyl)]-2,3,8-trihydroxy-6-methyl-4-(methylethyl)naphthalenecarbaldehyde

Smiles: c1(c2c(c(c(c1O)O)C=O)c(c(c(c2)C)c1c(cc2c(c1O)c(c(c2C(C)C)O)O)C=O)C)O)C(C)C

THERAPEUTIC CATEGORY: an antiviral at low concentration; antiherpes, antipsoriasis and antikeratitis, male contraceptive.

REFERENCE: Nadakavukaren MJ, Sorensen RH, Tone JN. Cell Tissue Res. 204:293-6 (1979). Sakesena SK, Salmonsens R, Lau IF, Chang MC. Contraception. 24:203-14 (1981). Tuszynski GP, Cossu G. Cancer Res. 44:768-71 (1984). Mego M. Bratisl Lek Listy. 103:378-81 (2002). 1. Lee et al., Mol. Cell. Biochem. (1982) 47:65 2. Abou-Donia et al., J. Agr. Food Chem. (1970). 18:534 3. Abou-Donia et al., Lipids (1970). 5(11):938 4. Bakhuni et al., Experienta 24:109 (1968). 24:109

SOURCE: From Cotton seeds.

ACTIVITY: A potential male anti-fertility agent from cotton that exhibits a wide spectrum of toxicity. It was found to have cytotoxic effects on human cancer cell lines. It is a potent telomerase inhibitor. the antiviral activity appears at low concentration (up to 1