



Formula: C<sub>15</sub>H<sub>10</sub>O<sub>5</sub>

MW: 270.24

CAS: 548-83-4

TNP NUMBER: TNP00099

MDL NUMBER: MFCD00006833

IUPAC: 3,5,7-trihydroxy-2-phenylchromen-4-one

Smiles: c1(c(c2c(cc(cc2oc1c1cccc1)O)O)O)=O)O

THERAPEUTIC CATEGORY: Antioxidant, Antinflammotary

REFERENCE: 10. Cipak L, Berczeliova E, Paulikova H. Effects of Flavonoids on Glutathione and Glutathione Related Enzymes in Cisplatin Treated L1210 Leukemia Cells. *Neoplasma* 2003;50(6):443-6. 11. Kaneko T, Baba N. Protective effects of Flavonoids on Endothelial Cells Against Linoleic Acid Hydro-peroxide Induced Toxicity. *Biosci Biotechnol Biochem.* 1999 Feb;63(2):323-8. 12. Evans WC, Trease and Evans *Pharmacognosy* 15th ed. 2002 WB Saunders London pg. 47. 13. Janssen AM, Scheffer JJ. Acetoxychavicol acetate, an antifungal component of *Alpinia galangal*. *Planta Med*, 1985 Dec. (6):507-11.

SOURCE: From Galanga Root, *Alpinia officinarum*,

ACCEPTORS: 5

DONORS: 3

ROTATION BONDS: 3

N+O: 5

Chiral Centers: 0

LogP: 1.39

LogS: -3.3

LIPINSKI: 4

Synonyms:

3,5,7-trihydroxy-2-phenyl-4h-benzopyran-4-on;3,5,7-trihydroxy-flavon;NORIZALPININ;GALANGIN;3,5,7-trihydroxy-2-phenyl-chromen-4-one;3,5,7-TRIHYDROXYFLAVONE;3,5,7-trihydroxy-2-phenyl-4-benzopyrone;3,5,7-Trihydroxyflavone (Galangin)

CAS:548-83-4

MF:C15H10O5

MW:270.24

EINECS:208-960-4

Product Categories:Flavanols Galangin

Chemical Properties: mp 214-215 C(lit.) Merck 14,4339 BRN 272179

CAS DataBase Reference: 548-83-4(

CAS DataBase Reference: ) Xi Risk Statements 36/37/38 Safety Statements 26-37/39 WGK Germany 3 RTECS LK9275500 F 10 Galangin

Usage And Synthesis: Galangin

