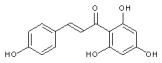

Formula: C15H12O5

MW: 272.26

CAS: 60-82-2

MDL: MFCD00016762

TNP: TNP00511

PHLORETIN; PHLORETIN (NATURAL); 4,2',4',6'-TETRAHYDROXYDIHYDROCHALCONE; 3-[4-HYDROXYPHENYL]-1-[2,4,6-TRIHYDROXYPHENYL]-1-PROPANONE; 2',4',6',4-TETRAHYDROXYDIHYDROCHALCONE; 2,4,6-TRIHYDROXY-BETA-(4-HYDROXYPHENYL)PROPIOPHENONE; 2',4',6'-TRIHYDROXY-3-P-HYDROXYPHEN

LogP: 3.63

LogS: -5.39

Acceptors: 5

Donors: 4

Rotation Bonds: 5

Chiral Centers: 0

N+O: 5

LIPINSKY: 4

Info: From roots of bark of apple trees. Soluble in Ethanol, Methanol, Acetone

IUPAC: (2E)-3-(4-hydroxyphenyl)-1-(2,4,6-trihydroxyphenyl)prop-2-en-1-one

Smiles: c1(c(cc(cc1O)O)O)C(/C=Cc1ccc(O)cc1)=O

Specification: Chalcones; All Inhibitors; Inhibitors; Protein Kinase Inhibitors and Activators
Phloretin Chemical Properties:

mp ~260 C refractive index 1.573-1.575 storage temp. 2-8C Water Solubility soluble Merck 14,7326 BRN 1887240 CAS DataBase Reference60-82-2(CAS DataBase Reference) Safety Information Hazard Codes Xi Risk Statements 36/37/38 Safety Statements 37/39-26-36 WGK Germany 3 F 3-10 HazardClass IRRITANT Phloretin Usage And Synthesis Chemical Properties:

Crystalline Solid UsageA glucose transport inhibitor. Also inhibits protein kinase C and has been shown to inhibit the entry of five enveloped viruses into human fibroblasts Phloretin

Merck 13 Reference: Monograph Number: 0007411

Title: Phloretin

CAS Registry Number: 60-82-2

CAS Name: 3-(4-Hydroxyphenyl)-1-(2,4,6-trihydroxyphenyl)-1-propanone

Additional Names: 2