



Formula: C₁₅H₁₄O₅

MW: 274.27

CAS: 60-82-2

MDL: MFCD00002288

TNP: TNP00255

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



LogP: -0.28

LogS: -3.06

Acceptors: 5

Donors: 4

Rotation Bonds: 6

Chiral Centers: 0

N+O: 5

LIPINSKY: 4

IUPAC: 3-(4-hydroxyphenyl)-1-(2,4,6-trihydroxyphenyl)propan-1-one

Smiles: C(Cc1ccc(cc1)O)(=O)c1c(O)cc(cc1O)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