



Formula: C₂₁H₂₄O₁₀

MW: 436.42

Salt: 2H₂O

CAS: 60-81-1

MDL: MFCD01103283

TNP: TNP00258

1-propanone,1-(2-(beta-d-glucopyranosyloxy)-4,6-dihydroxyphenyl)-3-(4-hydroxyp; phlorhizin; phloridzine; phlorizine; phlorizoside; phlorrhizin; TIMTEC-BB SBB005924; PHLORIZIN HYDRATE



LogP: 1.1

LogS: -3.36

Acceptors: 10

Donors: 7

Rotation Bonds: 8

Chiral Centers: 5

N+O: 10

LIPINSKY: 3

Info: FROM APPLE WOOD

IUPAC: 1-{6-[(2S,4S,5S,3R,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)(2H-3,4,5,6-tetrahydropyran-2-yloxy)]-2,4-dihydroxyphenyl}-3-(4-hydroxyphenyl)propan-1-one

Smiles:

c1(c(O[C@H]2[C@@H]([C@@H](O)[C@@H]([C@H](O2)CO)O)O)cc(cc1O)O)C(=O)CCc1ccc(cc1)O

Specification: Chalcones; Biochemistry; Glucose; Glycosides; Sugars; Agro-Products; Carbohydrates & Derivatives Phlorizin Chemical Properties:

mp 113-114 C(lit.) refractive index -54 (C=3.2, 95% EtOH) storage temp. 2-8C Merck 7327
CAS DataBase Reference 60-81-1 (CAS DataBase Reference) EPA Substance Registry
System 1-Propanone, 1-[2-(β -D-glucopyranosyloxy)-4,6-dihydroxyphenyl]-3-(4-
hydroxyphenyl)-(60-81-1) Safety Information Hazard Codes Xi Risk Statements 36/37/38 Safety
Statements 26-36 WGK Germany 3 RTECS UC2080000 F 3-10-23 Phlorizin Usage And
Synthesis Chemical Properties:

Light Yellow Powder Usagelt is a dihydrochalcone occurring in all parts of the apple tree except
the mature fruit. Once thought to occur in pear, plum, cherry trees and other Rosaceae Phlorizin