



Formula: C₂₈H₃₄O₁₅

MW: 610.57

CAS: 520-26-3

MDL: MFCD01002112

TNP: TNP00290

(s)-7-[[[6-o-(6-deoxy-alpha-l-mannopyranosyl)-beta-d-glucopyranosyl]oxy]-2,3-dihydro-5-hydroxy-2-(3-hydroxy-4-methoxyphenyl)-4h-1-benzopyran-4-one; VITAMIN P;
7-(2-o-(6-deoxy-alpha-l-mannopyranosyl)-beta-d-glucopyranosyloxy)-2,3-dihydro-4',5,7-trihydroxyflav



LogP: 13.36

LogS: -9.23

Acceptors: 15

Donors: 8

Rotation Bonds: 15

Chiral Centers: 11

N+O: 15

LIPINSKY: 0

Info: Predominant flavinoid in sweet oranges and lemons

IUPAC: 5-hydroxy-2-(3-hydroxy-4-methoxyphenyl)-7-{3,4,5-trihydroxy-6-[(3,4,5-trihydroxy-6-methyl(2H-3,4,5,6-tetrahydropyran-2-yloxy))methyl](2H-3,4,5,6-tetrahydropyran-2-yloxy)}chroman-4-one

Smiles:

O=C1c2c(OC(C1)c1cc(O)c(cc1)OC)cc(cc2O)OC1OC(COC2C(O)C(O)C(C(O2)C)O)C(C(C1O)O)O

Specification: Flavanones; plant extract; Antioxidant; Biochemistry; Disaccharides; Flavonoids; Glycosides; Sugars; Natural Plant Extract Hesperidin Chemical Properties:

mp 250-255 C (dec.)(lit.) alpha -76