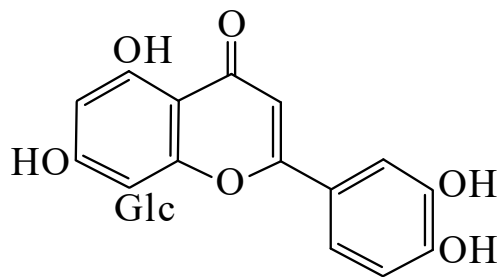




>>Entry Name: Orientin

Synonym(s): 8-β-D-Glucopyranosyl-3',4',5,7-tetrahydroxyflavone. 8-β-D-Glucopyranosylluteolin. 8-Glucosylluteolin. Lutexin



CAS Registry Number: 28608-75-5

Molecular Formula: C₂₁H₂₀O₁₁

Molecular Weight: 448.382

Accurate Mass: 448.100565

Percentage Composition: C 56.25%; H 4.50%; O 39.25%

Biological Source: Isol. from *Polygonum orientale*, *Hordeum vulgare*, *Cyathea*, *Silene* and *Adonis* spp. and Palmae. Constit. of *Passiflora incarnata*

Physical Description: Pale yellow cryst. (EtOH aq.)

Melting Point: Mp 265-267 dec.°

Optical Rotation: $[\alpha]_D^{20} +18.4$ (c, 1.4 in Py)

>>Derivative: 2''-Ac

Synonym(s): 2''-O-Acetylorientin

CAS Registry Number: 71880-89-2

Molecular Formula: C₂₃H₂₂O₁₂

Molecular Weight: 490.42

Accurate Mass: 490.11113

Percentage Composition: C 56.33%; H 4.52%; O 39.15%

Biological Source: Isol. from *Hypericum hirsutum*

Physical Description: Light yellow cryst. (EtOH aq.)

Melting Point: Mp 236-237°

>>Derivative: 6''-Ac

Synonym(s): 6''-O-Acetylorientin

CAS Registry Number: 112160-04-0

Molecular Formula: C₂₃H₂₂O₁₂

Molecular Weight: 490.42

Accurate Mass: 490.11113

Percentage Composition: C 56.33%; H 4.52%; O 39.15%

Biological Source: Constit. of *Odontosoria gymnogrammoides*

Melting Point: Mp 190-193°

Optical Rotation: $[\alpha]_D^{24} -58.7$ (c, 0.13 in Py)

>>Derivative: 2'',6''-Di-Ac

Synonym(s): 2'',6''-Diacetylorientin

CAS Registry Number: 131507-99-8

Molecular Formula: C₂₅H₂₄O₁₃

Molecular Weight: 532.457

Accurate Mass: 532.121695

Percentage Composition: C 56.39%; H 4.54%; O 39.06%

Biological Source: Isol. from *Rumex acetosa*

Physical Description: Yellow prisms (MeCN aq.)

Melting Point: Mp 175-176°

Optical Rotation: $[\alpha]_D^{21} +36$ (c, 0.69 in MeOH)

>>Derivative: 2''-O-(3,4-Dihydroxycinnamoyl)

Synonym(s): 2''-O-Caffeoylorientin