



Molecular Weight: 518.43
Accurate Mass: 518.106045
Percentage Composition: C 55.60%; H 4.28%; O 40.12%
Biological Source: Isol. from the cell cultures of *Cephalocereus senilis*
Physical Description: Yellow needles
Melting Point: Mp 173-174°

>>Derivative: 6-*O*-β-D-Glucuronopyranoside
Synonym(s): Baicalein 6-glucuronoside

CAS Registry Number: 35990-03-5

Molecular Formula: C₂₁H₁₈O₁₁
Molecular Weight: 446.367
Accurate Mass: 446.084915
Percentage Composition: C 56.51%; H 4.06%; O 39.43%
Biological Source: Isol. from *Oroxylum indicum*
Physical Description: Yellow needles (MeOH)
Melting Point: Mp 198-200°

>>Derivative: 7-*O*-β-D-Glucuronopyranoside
Synonym(s): Baicalin. Baicalein 7-glucuronoside. Baicaloside

CAS Registry Number: 21967-41-9

Molecular Formula: C₂₁H₁₈O₁₁
Molecular Weight: 446.367
Accurate Mass: 446.084915
Percentage Composition: C 56.51%; H 4.06%; O 39.43%
Biological Source: Isol. from *Scutellaria* spp., *Oroxylum indicum* and other plant spp.
Biological Use/Importance: Diuretic
Melting Point: Mp 220-222°
Optical Rotation: [α]_D²⁸ -140
Solubility: BERDY SOL: Sol. MeOH, Et₂O; poorly sol. H₂O, hexane
Calculated Log P Data: Log P -1.62 (calc)

>>Derivative: 7-*O*-[β-D-Glucopyranosyl-(1→?)-β-D-glucopyranoside]
Synonym(s): Oroxin B. Baicalein 7-diglucoside

Molecular Formula: C₂₇H₂₆O₁₅
Molecular Weight: 590.493
Accurate Mass: 590.127175
Percentage Composition: C 54.92%; H 4.44%; O 40.64%
Biological Source: Constit. of *Oroxylum indicum*
Other Data: A natural flavonoid but the ref. is inaccessible

>>Derivative: 5-Me ether
Synonym(s): 6,7-Dihydroxy-5-methoxyflavone

CAS Registry Number: 150036-33-2
Molecular Formula: C₁₆H₁₂O₅
Molecular Weight: 284.268
Accurate Mass: 284.068475
Percentage Composition: C 67.60%; H 4.25%; O 28.14%
Physical Description: Light yellow powder

>>Derivative: 5-Me ether, 7-*O*-β-D-glucopyranoside

CAS Registry Number: 150036-31-0

Molecular Formula: C₂₂H₂₂O₁₀
Molecular Weight: 446.41
Accurate Mass: 446.1213
Percentage Composition: C 59.19%; H 4.97%; O 35.84%
Biological Source: Isol. from cell cultures of *Cephalocereus senilis*
Physical Description: Light yellow cubes (MeOH)
Melting Point: Mp 156-158°

>>Derivative: 6-Me ether