



Biological Source: Isol. from *Cleome viscosa*
Physical Description: Yellow needles (EtOAc/petrol)
Melting Point: Mp 92-95°

>>**Derivative:** 7-*O*-[α -L-Rhamnopyranosyl-(1→4)- α -L-rhamnopyranoside]

CAS Registry Number: 135545-92-5

Molecular Formula: C₂₇H₃₂O₁₃
Molecular Weight: 564.542
Accurate Mass: 564.184295
Percentage Composition: C 57.44%; H 5.71%; O 36.84%
Biological Source: Constit. of the leaves of *Tecoma grandiflora*
Melting Point: Mp 80-82° (as hepta-Ac)

>>**Derivative:** 4'-*O*-[α -L-Rhamnopyranosyl-(1→4)- β -D-glucopyranoside]

CAS Registry Number: 71481-41-9

Molecular Formula: C₂₇H₃₂O₁₄
Molecular Weight: 580.541
Accurate Mass: 580.17921
Percentage Composition: C 55.86%; H 5.56%; O 38.58%
Biological Source: Isol. from *Bauhinia variegata*
Physical Description: Cryst. (MeOH/EtOAc)
Melting Point: Mp 112-114°

>>**Derivative:** 5-*O*-[α -L-Rhamnopyranosyl-(1→2)- β -D-glucopyranoside]

Synonym(s): Naringenin 5-neohesperidoside

CAS Registry Number: 88795-39-5

Molecular Formula: C₂₇H₃₂O₁₄
Molecular Weight: 580.541
Accurate Mass: 580.17921
Percentage Composition: C 55.86%; H 5.56%; O 38.58%
Biological Source: Isol. from *Adina cordifolia*

>>**Derivative:** 7-*O*-[α -L-Rhamnopyranosyl-(1→2)- β -D-glucopyranoside]

Synonym(s): **Naringin**. Naringenin 7-neohesperidoside. Naringoside. **Aurantin**†. Isohesperidin

CAS Registry Number: 10236-47-2

Molecular Formula: C₂₇H₃₂O₁₄
Molecular Weight: 580.541
Accurate Mass: 580.17921
Percentage Composition: C 55.86%; H 5.56%; O 38.58%
Biological Source: Obt. from citrus fruits, from *Ceterach officinarum*, *Origanum vulgare*, *Adiantum* spp., *Clymenia polyandra* and others
Biological Use/Importance: Antiinflammatory agent
Physical Description: Needles + 8H₂O (H₂O), losing 6H₂O at 110°
Melting Point: Mp 82° (octahydrate). Mp 171° (dihydrate)
Optical Rotation: [α]_D¹⁹ -82.1 (EtOH)
Solubility: BERDY SOL: Sol. AcOH; fairly sol. H₂O; poorly sol. Et₂O, C₆H₆
Calculated Log P Data: Log P -2.09 (uncertain value) (calc)
Other Data: Bitter taste
Hazard & Toxicity: LD₅₀ (mus, scu) 1650 mg/kg

Fluka: 71162
Rare Chemicals Library: S57950-5
Sigma: N1376