



Physical Description: Cryst. (MeOH aq.)

>>Derivative: 7-*O*-β-D-Glucuronopyranoside

Synonym(s): Comanthoside B

CAS Registry Number: 70938-60-2

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 *Comanthosphace japonica*

Physical Description: Fine yellow needles (MeOH)

Melting Point: Mp 209-211°

>>Derivative: 7-*O*-β-D-Glucuronopyranoside, Me ester

Synonym(s): Comanthoside A

CAS Registry Number: 70938-59-9

Molecular Formula: C₂₄H₂₄O₁₂

Molecular Weight: 504.446

Accurate Mass: 504.12678

Percentage Composition: C 57.14%; H 4.80%; O 38.06%

Biological Source: Isol. from *Comanthosphace japonica*

Physical Description: Pale yellow needles (MeOH)

Melting Point: Mp 252-255°

>>Derivative: 7-*O*-[α-L-Rhamnopyranosyl-(1→6)-β-D-galactopyranoside]

Synonym(s): Pectolinarigenin 7-robinobioside

CAS Registry Number: 142925-51-7

Molecular Formula: C₂₉H₃₄O₁₅

Molecular Weight: 622.579

Accurate Mass: 622.189775

Percentage Composition: C 55.95%; H 5.50%; O 38.55%

Biological Source: Constit. of *Kickxia aegyptiaca*

>>Derivative: 7-*O*-[α-L-Rhamnopyranosyl-(1→6)-β-D-glucopyranoside]

Synonym(s): Pectolinarigenin 7-rutinoside. Pectolinarin. Pectolinaroside. Neolinarin

CAS Registry Number: 28978-02-1

Molecular Formula: C₂₉H₃₄O₁₅

Molecular Weight: 622.579

Accurate Mass: 622.189775

Percentage Composition: C 55.95%; H 5.50%; O 38.55%

Biological Source: Isol. from *Cirsium* spp., *Kickxia elatine*, *Linaria* spp. and *Duranta plumieri*

Physical Description: Light-yellow amorph. solid or needles (EtOH)

Melting Point: Mp 254-255 dec.°

Optical Rotation: [α]_D -98.5 (AcOH)

UV: [neutral] λ_{max} 275 (); 330 () (MeOH) (Berdy)

Other Data: Neolinarin was the name given to the cryst. form of Pectolinarin which was later considered identical to the amorph. material (Zemplén *et al*, 1942)

>>Derivative: 7-*O*-[α-L-Rhamnopyranosyl-(1→6)-β-D-glucopyranoside], 5-Ac

Synonym(s): 5-*O*-Acetylpectolinarin

Molecular Formula: C₃₁H₃₆O₁₆

Molecular Weight: 664.616

Accurate Mass: 664.20034

Percentage Composition: C 56.02%; H 5.46%; O 38.52%

Biological Source: Constit. of *Linaria vulgaris*. Component of Liu Chuan Yu

Physical Description: Cryst. (petrol/Et₂O)

Melting Point: Mp 134-138°

Optical Rotation: [α]_D¹⁸ -68.5