



>>>Derivative: 3-*O*-[α -L-Rhamnofuranosyl-(1 $\rightarrow$ 6)- β -D-galactofuranoside], 7-*O*- α -L-rhamnofuranoside

Synonym(s): Neorobinin

CAS Registry Number: 17297-54-0

Molecular Formula: C₃₃H₄₀O₁₉

Molecular Weight: 740.668

Accurate Mass: 740.216385

Percentage Composition: C 53.51%; H 5.44%; O 41.04%

Melting Point: Mp 195.7°

Optical Rotation: $[\alpha]_D^{20} -122.5$

>>>Derivative: 3-*O*-[α -L-Rhamnopyranosyl-(1 $\rightarrow$ 6)- β -D-galactopyranoside]

Synonym(s): Kaempferol 3-robinobioside. **Biorobin**

CAS Registry Number: 17297-56-2

Molecular Formula: C₂₇H₃₀O₁₅

Molecular Weight: 594.525

Accurate Mass: 594.158475

Percentage Composition: C 54.55%; H 5.09%; O 40.37%

Biological Source: Isol. from *Atropa belladonna*, *Medicago* spp., *Trigonella* spp. and other plant spp.

Physical Description: Yellow needles (Me₂CO aq.)

Melting Point: Mp 224-226° (sinters at 198°)

Optical Rotation: $[\alpha]_D -75$ (c, 1 in Py)

>>>Derivative: 3-*O*-[α -L-Rhamnopyranosyl-(1 $\rightarrow$ 6)-[4-hydroxy-*E*-cinnamoyl-($\rightarrow$ 4)]- β -D-galactopyranoside]

Synonym(s): Variabiloside G

CAS Registry Number: 115713-36-5

Molecular Formula: C₃₆H₃₆O₁₇

Molecular Weight: 740.67

Accurate Mass: 740.195255

Percentage Composition: C 58.38%; H 4.90%; O 36.72%

Biological Source: Isol. from *Strychnos variabilis*

>>>Derivative: 3-*O*-[α -L-Rhamnopyranosyl-(1 $\rightarrow$ 6)-[4-hydroxy-*Z*-cinnamoyl-($\rightarrow$ 4)]- β -D-galactopyranoside]

Synonym(s): Variabiloside H

CAS Registry Number: 115794-36-0

Molecular Formula: C₃₆H₃₆O₁₇

Molecular Weight: 740.67

Accurate Mass: 740.195255

Percentage Composition: C 58.38%; H 4.90%; O 36.72%

Biological Source: Isol. from *Strychnos variabilis*

>>>Derivative: 3-*O*-(3,4-Dihydroxycinnamoylrobinobioside), 7-*O*- α -L-rhamnopyranoside

Synonym(s): Kaempferol 3-(caffeylrobinobioside) 7-rhamnoside

CAS Registry Number: 107742-06-3

Molecular Formula: C₄₂H₄₆O₂₂

Molecular Weight: 902.812

Accurate Mass: 902.24808

Percentage Composition: C 55.88%; H 5.14%; O 38.99%

Biological Source: Isol. from *Eustoma grandiflora*