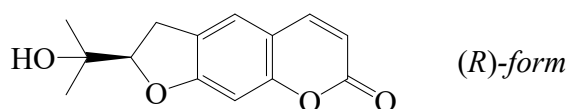




>>Entry Name: 2,3-Dihydro-2-(1-hydroxy-1-methylethyl)-7*H*-furo[3,2-*g*][1]benzopyran-7-one, 9Cl



Molecular Formula: C₁₄H₁₄O₄

Molecular Weight: 246.262

Accurate Mass: 246.08921

Percentage Composition: C 68.28%; H 5.73%; O 25.99%

>>Variant: (*R*)-form

Synonym(s): Nodakenetin. Prangeferol

CAS Registry Number: 495-32-9

Molecular Formula: C₁₄H₁₄O₄

Molecular Weight: 246.262

Accurate Mass: 246.08921

Percentage Composition: C 68.28%; H 5.73%; O 25.99%

Biological Source: Constit. of *Angelica* spp., *Prangos ferulacea* roots and *Scaevola frutescens* leaves

Melting Point: Mp 186.5°

Optical Rotation: [α]_D -22.4

>>Derivative: *O*- β -D-Glucopyranoside

Synonym(s): Nodakenin

CAS Registry Number: 495-31-8

Molecular Formula: C₂₀H₂₄O₉

Molecular Weight: 408.404

Accurate Mass: 408.142035

Percentage Composition: C 58.82%; H 5.92%; O 35.26%

Biological Source: Isol. from *Peucedanum decursivum* roots

Physical Description: Platelets (EtOH), prisms (H₂O)

Melting Point: Mp 215-219°. Mp 259-260 dec.°

Optical Rotation: [α]_D³⁰ +56.6 (H₂O)

>>Derivative: *O*-[(2*E*-Butenoyl)-($\rightarrow$ 6)- β -D-glucopyranoside]

Synonym(s): 6'-*O*-(2-*trans*-Butenoyl)nodakenin. **Decuroside VI**

Molecular Formula: C₂₄H₂₈O₁₀

Molecular Weight: 476.479

Accurate Mass: 476.16825

Percentage Composition: C 60.50%; H 5.92%; O 33.58%

Biological Source: Constit. of the roots of *Peucedanum decursivum*

Physical Description: Yellow powder

UV: [neutral] $\lambda_{\max}$ 203 (); 334 () (no solvent reporetd)

>>Derivative: *O*-[(4-Hydroxy-3-methoxy-*E*-cinnamoyl)-($\rightarrow$ 6)- β -D-glucopyranoside]

Synonym(s): 6'-*O*-*trans*-Feruloylnodakenin

CAS Registry Number: 131623-14-8

Molecular Formula: C₃₀H₃₂O₁₂

Molecular Weight: 584.576

Accurate Mass: 584.18938

Percentage Composition: C 61.64%; H 5.52%; O 32.84%

Biological Source: Constit. of *Notopterygium forbesii*

Physical Description: Needles (MeOH aq.)

Melting Point: Mp 138-140°

Optical Rotation: [α]_D +49.8 (c, 0.5 in 50% EtOH aq.)