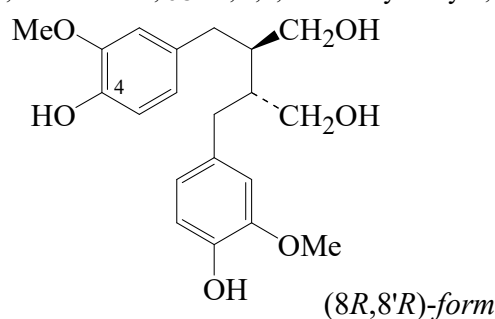




>>Entry Name: Secoisolariciresinol

Synonym(s): 2,3-Bis[(4-hydroxy-3-methoxyphenyl)methyl]-1,4-butanediol, 9Cl. 4,4',9,9'-Tetrahydroxy-3,3'-dimethoxylignan. *seco*-Isolariciresinol



Related CAS Registry Numbers(s): 145265-02-7

Molecular Formula: C₂₀H₂₆O₆

Molecular Weight: 362.422

Accurate Mass: 362.17294

Percentage Composition: C 66.28%; H 7.23%; O 26.49%

>>Variant: (8*R*,8'*R*)-form

CAS Registry Number: 29388-59-8

Molecular Formula: C₂₀H₂₆O₆

Molecular Weight: 362.422

Accurate Mass: 362.17294

Percentage Composition: C 66.28%; H 7.23%; O 26.49%

Biological Source: Heartwood constit. of *Podocarpus spicata* and *Larix* spp. Present in *Taxus baccata*, *Araucaria angustifolia*, and in Norway spruce (*Picea abies*) attacked by *Fomes annosus*. Also isol. from *Simaba cuneata* as an unseparated mixt. of 9 and 9'-esters with long-chain acids

Physical Description: Cryst. (C₆H₆/Me₂CO)

Melting Point: Mp 112-114°

Optical Rotation: [α]_D²⁵ -32 (c, 1 in Me₂CO)

UV: [neutral] λ_{max} 229 (); 282 () (MeOH) (Berdy)

>>Derivative: 9-*O*-β-D-Xylopyranoside

CAS Registry Number: 97065-26-4

Molecular Formula: C₂₅H₃₄O₁₀

Molecular Weight: 494.538

Accurate Mass: 494.2152

Percentage Composition: C 60.72%; H 6.93%; O 32.35%

Biological Source: Constit of *Pinus massoniana*

Physical Description: Amorph.

Optical Rotation: [α]_D²² -28 (c, 0.8 in MeOH)

>>Derivative: 9-*O*-α-L-Rhamnopyranoside

CAS Registry Number: 312930-64-6

Molecular Formula: C₂₆H₃₆O₁₀

Molecular Weight: 508.564

Accurate Mass: 508.23085

Percentage Composition: C 61.41%; H 7.13%; O 31.46%

Biological Source: Constit. of *Rubus amabilis*

Physical Description: Gum

Optical Rotation: [α]_D²⁰ -49.5 (c, 0.3 in Me₂CO)

>>Derivative: 4,4'-Di-*O*-α-L-rhamnopyranoside

CAS Registry Number: 123564-48-7

Molecular Formula: C₃₂H₄₆O₁₄

Molecular Weight: 654.707

Accurate Mass: 654.28876

Percentage Composition: C 58.71%; H 7.08%; O 34.21%

Biological Source: Constit. of *Parsonsia laevigata*

Physical Description: Prisms (MeOH)

Melting Point: Mp 112-116°

Optical Rotation: [α]