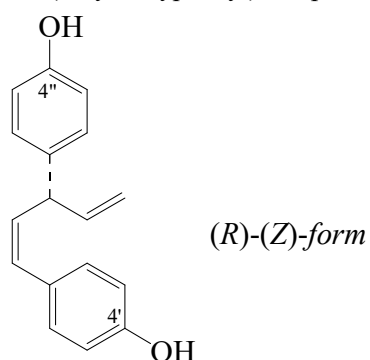




>>Entry Name: **Hinokiresinol**

Synonym(s): 4,4'-(3-Ethenyl-1-propene-1,3-diyl)bisphenol, 9Cl. 1,3-Bis(4-hydroxyphenyl)-1,4-pentadiene



CAS Registry Number: 17676-24-3

Related CAS Registry Numbers(s): 4825-69-8 16453-39-7 79056-21-6 79056-22-7

Molecular Formula: C₁₇H₁₆O₂

Molecular Weight: 252.312

Accurate Mass: 252.11503

Percentage Composition: C 80.93%; H 6.39%; O 12.68%

>>Variant: (R)-(Z)-form

Synonym(s): Nyasol

Molecular Formula: C₁₇H₁₆O₂

Molecular Weight: 252.312

Accurate Mass: 252.11503

Percentage Composition: C 80.93%; H 6.39%; O 12.68%

Biological Source: Constit. of *Anemarrhena aspodeloides*

Biological Use/Importance: Oestrogen agonist

Physical Description: Oil

Optical Rotation: [α]_D −67 (c, 0.1 in Me₂CO). [α]_D −147 (c, 1 in Me₂CO)

UV: [neutral] $\lambda_{\max}$ 202 (ϵ 37400); 231 (ϵ 10700); 259 (ϵ 15700) (EtOH)

Other Data: Nat. prod. is a partial racemate

>>Derivative: 4'-O- β -D-Glucopyranoside

Synonym(s): Mononyasin B

CAS Registry Number: 126394-53-4

Molecular Formula: C₂₃H₂₆O₇

Molecular Weight: 414.454

Accurate Mass: 414.167855

Percentage Composition: C 66.65%; H 6.32%; O 27.02%

Biological Source: Constit. of *Hypoxis nyasica*

Physical Description: Cryst. (EtOAc/hexane)

Melting Point: Mp 147-149°

Optical Rotation: [α]_D²⁰ −198 (c, 0.6 in MeOH)

>>Derivative: 4''-O- β -D-Glucopyranoside

Synonym(s): Mononyasin A

CAS Registry Number: 126431-35-4

Molecular Formula: C₂₃H₂₆O₇

Molecular Weight: 414.454

Accurate Mass: 414.167855

Percentage Composition: C 66.65%; H 6.32%; O 27.02%

Biological Source: Constit. of *Hypoxis nyasica*

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 169-170°

Optical Rotation: [α]_D²⁰ −166 (c, 0.6 in MeOH)