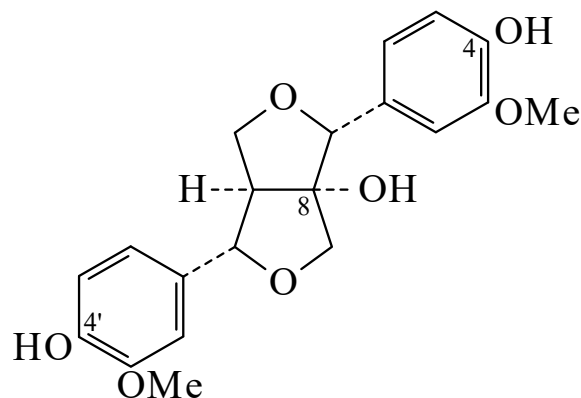




>>Entry Name: 8-Hydroxypinoresinol

Synonym(s): 2,6-Bis(4-hydroxy-3-methoxyphenyl)-3,7-dioxabicyclo[3.3.0]octan-1-ol. 4,4',8-Trihydroxy-3,3'-dimethoxy-7,9':7',9-diepoxyignan. 1-Hydroxypinoresinol



CAS Registry Number: 81426-17-7

Molecular Formula: $C_{20}H_{22}O_7$

Molecular Weight: 374.39

Accurate Mass: 374.136555

Percentage Composition: C 64.16%; H 5.92%; O 29.91%

Biological Source: Constit. of bark of *Olea europaea* and roots of *Nardostachys jatamansi*

Physical Description: Cryst. powder

Melting Point: Mp 183-185°

Optical Rotation: $[\alpha]_D^{15} +39$ (c, 0.65 in EtOH)

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

Molecular Formula: $C_{26}H_{32}O_{12}$

Molecular Weight: 536.532

Accurate Mass: 536.18938

Percentage Composition: C 58.20%; H 6.01%; O 35.78%

Biological Source: Constit. of *Olea europaea*, *Olea africana* and *Fraxinus mandshurica*

Melting Point: Mp 127-129°

Optical Rotation: $[\alpha]_D^{23} -9.3$ (c, 0.42 in MeOH)

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

CAS Registry Number: 102582-69-4

Molecular Formula: $C_{26}H_{32}O_{12}$

Molecular Weight: 536.532

Accurate Mass: 536.18938

Percentage Composition: C 58.20%; H 6.01%; O 35.78%

Biological Source: Constit. of *Eucommia ulmoides*

Physical Description: Amorph.

Optical Rotation: $[\alpha]_D^{18} -28.8$ (c, 1 in MeOH)

UV: [neutral] λ_{max} 228 (); 278 () (MeOH)

>>Derivative: 8-O- β -D-Glucopyranoside

Molecular Formula: $C_{26}H_{32}O_{12}$

Molecular Weight: 536.532

Accurate Mass: 536.18938

Percentage Composition: C 58.20%; H 6.01%; O 35.78%

Biological Source: Constit. of *Olea europaea* and *Olea africana*

Physical Description: Amorph. powder

Melting Point: Mp 179-183°

Optical Rotation: $[\alpha]_D^{23} -17.5$ (c, 0.38 in EtOH)