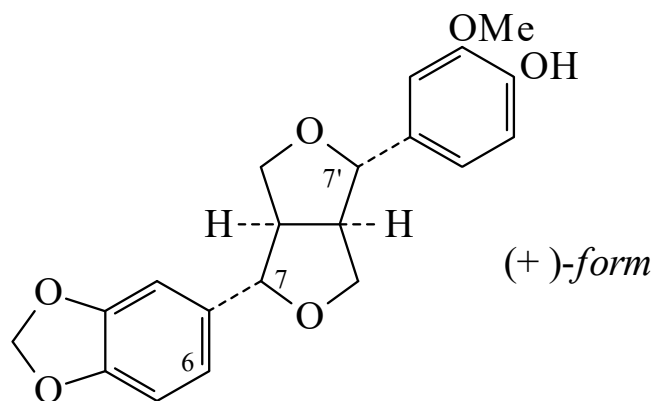




>>Entry Name: Piperitol

Synonym(s): 4-[4-(1,3-Benzodioxol-5-yl)tetrahydro-1*H*,3*H*-furo[3,4-*c*]furan-1-yl]-2-methoxyphenol, 9Cl. 2-(4-Hydroxy-3-methoxyphenyl)-6-(3,4-methylenedioxyphenyl)-3,7-dioxabicyclo[3.3.0]octane. 4'-Hydroxy-3'-methoxy-3,4-methylenedioxy-7,9':7',9-diepoxy lignan. Regiomontanin



Related CAS Registry Numbers(s): 92620-81-0

Molecular Formula: C₂₀H₂₀O₆

Molecular Weight: 356.374

Accurate Mass: 356.12599

Percentage Composition: C 67.41%; H 5.66%; O 26.94%

>>Variant: (+)-form

CAS Registry Number: 52151-92-5

Molecular Formula: C₂₀H₂₀O₆

Molecular Weight: 356.374

Accurate Mass: 356.12599

Percentage Composition: C 67.41%; H 5.66%; O 26.94%

Biological Source: Isol. from *Aptosimum spinescens* and trunk wood of *Nectandra turbacensis*

Melting Point: Mp 79°

Optical Rotation: [α]_D²⁰ +76.2 (c, 2 in CHCl₃)

>>Derivative: O- β -D-Glucopyranoside

Synonym(s): Simplexoside

CAS Registry Number: 74061-78-2

Molecular Formula: C₂₆H₃₀O₁₁

Molecular Weight: 518.516

Accurate Mass: 518.178815

Percentage Composition: C 60.23%; H 5.83%; O 33.94%

Biological Source: Isol. from whole plant of *Justicia simplex*

Use/Importance: CNS depressant

Melting Point: Mp 205-210°

Optical Rotation: [α]_D -12.5 (c, 0.34 in MeOH)

>>Derivative: Me ether

>>Derivative: O-De-Me

Synonym(s): 3',4'-Dihydroxy-3,4-methylenedioxy-7,9':7',9-diepoxy lignan. **Demethylpiperitol**

Molecular Formula: C₁₉H₁₈O₆

Molecular Weight: 342.348

Accurate Mass: 342.11034

Percentage Composition: C 66.66%; H 5.30%; O 28.04%

Biological Source: Constit. of the leaves of *Apollonias barbujana*

Physical Description: Amorph. powder

Optical Rotation: [α]_D²⁵ +46.3 (c, 0.3 in CHCl₃)