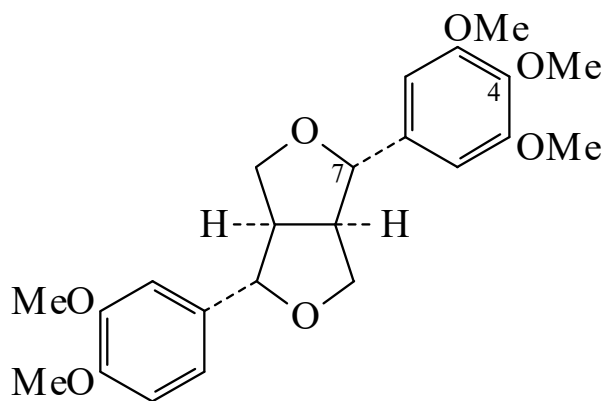




>>Entry Name: **Magnolol**

Synonym(s): 1-(3,4-Dimethoxyphenyl)tetrahydro-4-(3,4,5-trimethoxyphenyl)-1*H*,3*H*-furo[3,4-*c*]furan, 9*Cl*. 2-(3,4-Dimethoxyphenyl)-6-(3,4,5-trimethoxyphenyl)3,7-dioxabicyclo[3.3.0]octane. 3,3',4,4',5-Pentamethoxy-7,9':7',9-diepoxyignan



CAS Registry Number: 31008-18-1

Molecular Formula: C₂₃H₂₈O₇

Molecular Weight: 416.47

Accurate Mass: 416.183505

Percentage Composition: C 66.33%; H 6.78%; O 26.89%

Biological Source: Constit. of *Magnolia fargesii* flower buds

Melting Point: Mp 96-97°

Optical Rotation: [α]_D +55.7 (CHCl₃)

>>Derivative: 3-*O*-De-Me

Synonym(s): De-*O*-methylepimagnolin

CAS Registry Number: 145213-47-4

Molecular Formula: C₂₂H₂₆O₇

Molecular Weight: 402.443

Accurate Mass: 402.167855

Percentage Composition: C 65.66%; H 6.51%; O 27.83%

Biological Source: Constit. of *Magnolia fargesii*

Physical Description: Oil

Optical Rotation: [α]_D²³ +58.1 (c, 2.75 in CHCl₃)

>>Derivative: 7-Epimer

Synonym(s): Epimagnolin

CAS Registry Number: 41689-51-4

Molecular Formula: C₂₃H₂₈O₇

Molecular Weight: 416.47

Accurate Mass: 416.183505

Percentage Composition: C 66.33%; H 6.78%; O 26.89%

Biological Source: Constit. of *Hernandia ovigera* leaves

Melting Point: Mp 84°

Optical Rotation: [α]_D²⁵ +112 (c, 0.6 in CHCl₃)

>>Derivative: 7'-Epimer

Synonym(s): Epimagnolin A

CAS Registry Number: 143235-93-2

Molecular Formula: C₂₃H₂₈O₇

Molecular Weight: 416.47

Accurate Mass: 416.183505

Percentage Composition: C 66.33%; H 6.78%; O 26.89%

Biological Source: Constit. of *Magnolia fargesii*

Physical Description: Yellowish oil

Optical Rotation: [α]_D +105.2 (c, 3.5 in CHCl₃)

>>Derivative: 7'-Epimer, 4'-*O*-de-Me

Synonym(s): 4'-Demethylepimagnolin A