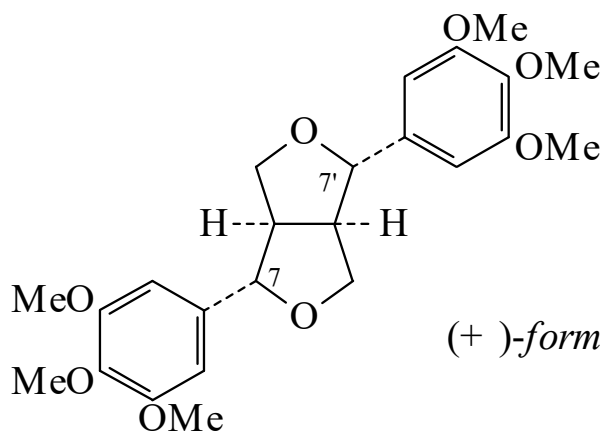




>>Entry Name: Yangambin

Synonym(s): Tetrahydro-1,4-bis(3,4,5-trimethoxyphenyl)-1*H*,3*H*-furo[3,4-*c*]furan, 9Cl. 2,6-Bis(3,4,5-trimethoxyphenyl)-3,7-dioxabicyclo[3.3.0]octane. 3,3',4,4',5,5'-Hexamethoxy-7,9':7',9-diepoxyignan. Di-*O*-methylsyringaresinol. Di-*O*-methylirioresinol B



CAS Registry Number: 13060-14-5

Molecular Formula: C₂₄H₃₀O₈

Molecular Weight: 446.496

Accurate Mass: 446.19407

Percentage Composition: C 64.56%; H 6.77%; O 28.67%

Biological Source: Lignan from fruits of *Piper guineense* and leaves of *Eremophila glabra*

Use/Importance: Platelet aggregation inhibitor

Physical Description: Needles (EtOH), prisms (MeOH)

Melting Point: Mp 125.5-126.5° (122-123°)

Optical Rotation: [α]_D +46.6 (c, 6.18 in CHCl₃)

UV: [neutral] $\lambda_{\max}$ 207 (ϵ 61700); 230 (sh) (ϵ 14500); 268 (ϵ 14500) (MeOH) (Derep)

>>Derivative: 7-Epimer

Synonym(s): 7-Epiyangambin

CAS Registry Number: 24192-64-1

Molecular Formula: C₂₄H₃₀O₈

Molecular Weight: 446.496

Accurate Mass: 446.19407

Percentage Composition: C 64.56%; H 6.77%; O 28.67%

Biological Source: Constit. of *Virola elongata* and *Artemisia* spp.

Physical Description: Cryst. (Et₂O)

Melting Point: Mp 119-120°

Optical Rotation: [α]_D²⁵ +122 (CHCl₃)

UV: [neutral] $\lambda_{\max}$ 210 (log ϵ 4.8); 238 (sh) (log ϵ 4.11); 272 (log ϵ 3.51) (MeOH)

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

Synonym(s): 4'-De-*O*-methylepiyangambin

CAS Registry Number: 188564-12-7

Molecular Formula: C₂₃H₂₈O₈

Molecular Weight: 432.469

Accurate Mass: 432.17842

Percentage Composition: C 63.88%; H 6.53%; O 29.60%

Biological Source: Constit. of *Ocotea duckei*