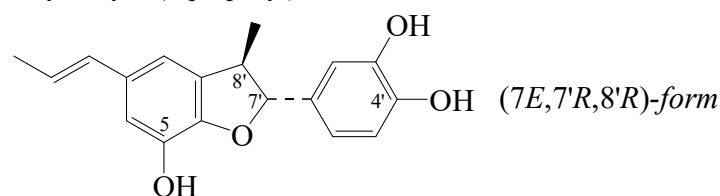




>>Entry Name: 4,7'-Epoxy-3,8'-bilign-7-ene-3',4',5-triol

ENTRY UNDER REVIEW

Synonym(s): 2,3-Dihydro-2-(3,4-dihydroxyphenyl)-7-hydroxy-5-(1-propenyl)benzofuran



Related CAS Registry Numbers(s): 23342-98-5 42016-15-9 56353-18-5

Molecular Formula: C₁₈H₁₈O₄

Molecular Weight: 298.338

Accurate Mass: 298.12051

Percentage Composition: C 72.47%; H 6.08%; O 21.45%

General Statement: Lignan numbering shown

>>Variant: (7E,7'R,8'R)-form

Molecular Formula: C₁₈H₁₈O₄

Molecular Weight: 298.338

Accurate Mass: 298.12051

Percentage Composition: C 72.47%; H 6.08%; O 21.45%

>>Derivative: 3',5-Di-Me ether

Synonym(s): (+)-Licarin A

CAS Registry Number: 83377-50-8

Type of Compound Code(s): VO1500

Molecular Formula: C₂₀H₂₂O₄

Molecular Weight: 326.391

Accurate Mass: 326.15181

Percentage Composition: C 73.60%; H 6.79%; O 19.61%

Biological Source: Constit. of *Aristolochia pubescens*, *Krameria grayi* and *Piper kadsura*

>>Derivative: Tri-Me ether

Synonym(s): Acuminatin. Licarin D

CAS Registry Number: 41744-39-2

Extra CAS Registry Numbers(s): 83144-66-5

Type of Compound Code(s): VO1500

Molecular Formula: C₂₁H₂₄O₄

Molecular Weight: 340.418

Accurate Mass: 340.16746

Percentage Composition: C 74.09%; H 7.11%; O 18.80%

Biological Source: Constit. of the root bark of *Magnolia acuminata* and of *Urbanodendron verrucosum*

Physical Description: Cryst. (diisopropyl ether)

Melting Point: Mp 77.5°

Optical Rotation: $[\alpha]_D^{27} +4.3$ (c, 0.22 in MeOH)

Other Data: Incorr. CAS name assigned to Licarin D

>>Derivative: 3',4'-Methylene, 5-Me ether

Synonym(s): Eupomatenoid 8. Licarin E

CAS Registry Number: 42016-15-9

Extra CAS Registry Numbers(s): 124041-75-4

Type of Compound Code(s): VO1500

Molecular Formula: C₂₀H₂₀O₄

Molecular Weight: 324.376

Accurate Mass: 324.13616

Percentage Composition: C 74.06%; H 6.21%; O 19.73%

Biological Source: Constit. of *Eupomatia* sp. and *Nectandria glabrescens*

Melting Point: Mp 83-85°

Optical Rotation: $[\alpha]_D +43$ (c, 0.84 in CHCl₃)

Other Data: Licarin E and Eupomatenoid 8, which may be a mixt. of stereoisomers, not proved identical. Incorr. CAS name assigned to Licarin E. Eupomatenoid 8 descr. as a gum