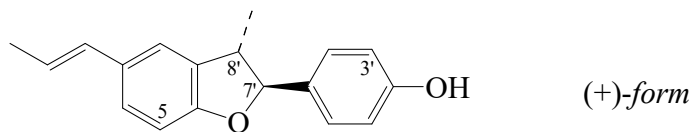




>>Entry Name: **Conocarpan**

Synonym(s): 4-[2,3-Dihydro-3-methyl-5-(1-propenyl)-2-benzofuranyl]phenol, 9CI. 2,3-Dihydro-2-(4-hydroxyphenyl)-3-methyl-5-(1-propenyl)benzofuran. 4,7'-Epoxy-3,8'-bilign-7-ene-4'-ol



Molecular Formula: C₁₈H₁₈O₂

Molecular Weight: 266.339

Accurate Mass: 266.13068

Percentage Composition: C 81.17%; H 6.81%; O 12.01%

General Statement: Lignan numbering shown. Abs. configs. unclear before 2000

UV: [neutral] λ_{max} 205 (ε 25800); 260 (ε 18900); 295 (ε 4200) (EtOH) (Berdy)

>>Variant: (+)-form

CAS Registry Number: 221666-27-9

Molecular Formula: C₁₈H₁₈O₂

Molecular Weight: 266.339

Accurate Mass: 266.13068

Percentage Composition: C 81.17%; H 6.81%; O 12.01%

Biological Source: Constit. of *Krameria cytisoides*

Physical Description: Cryst.

Melting Point: Mp 133-135°

Optical Rotation: [α]_D²¹ +122 (c, 1.03 in MeOH)

>>Derivative: Me ether

Synonym(s): 2,3-Dihydro-2-(4-methoxyphenyl)-3-methyl-5-(1-propenyl)benzofuran. **O-Methylconocarpan**

CAS Registry Number: 139573-13-0

Molecular Formula: C₁₉H₂₀O₂

Molecular Weight: 280.366

Accurate Mass: 280.14633

Percentage Composition: C 81.40%; H 7.19%; O 11.41%

Biological Source: Constit. of *Krameria grayi* and *Krameria ixina*

Melting Point: Mp 68-73°

Optical Rotation: [α]_D²⁰ +98 (c, 2.3 in MeOH)

UV: [neutral] λ_{max} 226 (sh) (log ε 4.08); 263 (log ε 4.09); 270 (sh) (log ε 4.05); 302 (log ε 3.35) (no solvent reported)

>>Derivative: 3'-Hydroxy

see 2-(3,4-Dihydroxyphenyl)-2,3-dihydro-3-methyl-5-(1-propenyl)benzofuran, [HCO93-G](#)

>>Derivative: 5-Methoxy

Synonym(s): 2,3-Dihydro-2-(4-hydroxyphenyl)-7-methoxy-3-methyl-5-(1-propenyl)benzofuran

CAS Registry Number: 109225-41-4

Molecular Formula: C₁₉H₂₀O₃

Molecular Weight: 296.365

Accurate Mass: 296.141245

Percentage Composition: C 77.00%; H 6.80%; O 16.20%

Biological Source: Constit. of *Krameria cytisoides*

Physical Description: Cryst.

Melting Point: Mp 100-103°

Optical Rotation: [α]_D²¹ +57 (c, 0.67 in MeOH)