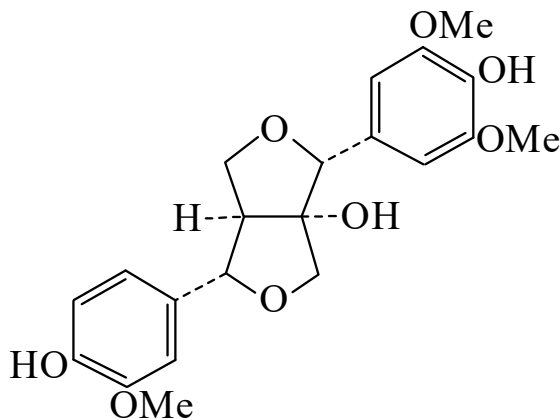




>>Entry Name: Fraxiresinol

Synonym(s): Dihydro-4-(4-hydroxy-3,5-dimethoxyphenyl)-1-(4-hydroxy-3-methoxyphenyl)-1*H*,3*H*-furo[3,4-*c*]furan-3*a*(4*H*)ol, 9Cl. 2-(4-Hydroxy-3,5-dimethoxyphenyl)-6-(4-hydroxy-3-methoxyphenyl)-3,7-dioxabicyclo[3.3.0]octan-2-ol. 4,4',8-Trihydroxy-3,3',5-trimethoxy-7,9':7',9-diepoxylignan



CAS Registry Number: 89199-97-3

Molecular Formula: C₂₁H₂₄O₈

Molecular Weight: 404.416

Accurate Mass: 404.14712

Percentage Composition: C 62.37%; H 5.98%; O 31.65%

Biological Source: Constit. of bark of *Fraxinus mandshurica* var. *japonica* and *Fraxinus japonica*

Physical Description: Amorph. powder

Optical Rotation: $[\alpha]_D^{25} +29.3$ (c, 0.61 in CHCl₃)

>>Derivative: 8-*O*-β-D-Glucopyranoside

Synonym(s): Fraxiresinol 8-β-D-glucoside

CAS Registry Number: 89199-94-0

Molecular Formula: C₂₇H₃₄O₁₃

Molecular Weight: 566.558

Accurate Mass: 566.199945

Percentage Composition: C 57.24%; H 6.05%; O 36.71%

Biological Source: Constit. of *Olea europaea* and *Stauntonia hexaphylla*

Physical Description: Amorph. powder

Melting Point: Mp 125-126° (119-122°)

Optical Rotation: $[\alpha]_D^{20} -19.4$ (c, 0.53 in MeOH)

References:

Tsukamoto, H. *et al.*, *Chem. Pharm. Bull.*, 1984, **32**, 4482

Wang, H.B. *et al.*, *Phytochemistry*, 1993, **34**, 1621, (8-glucoside)