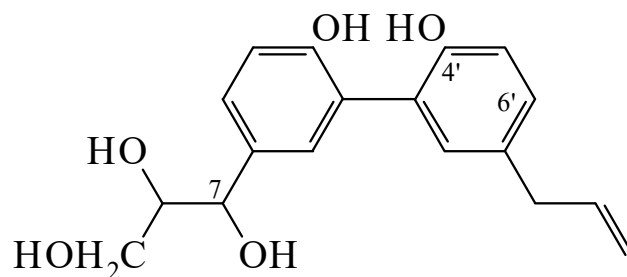




>>Entry Name: Magnolignan B



CAS Registry Number: 138591-07-8

Related CAS Registry Numbers(s): 140866-37-1

Molecular Formula: C₁₈H₂₀O₅

Molecular Weight: 316.353

Accurate Mass: 316.131075

Percentage Composition: C 68.34%; H 6.37%; O 25.29%

Biological Source: Constit. of *Magnolia officinalis* (Magnoliaceae)

Physical Description: Powder

Optical Rotation: $[\alpha]_{\text{D}}^{28} +0.3$ (c, 2.5 in MeOH)

>>Derivative: 7-Deoxy

Synonym(s): Magnolignan A

CAS Registry Number: 93673-81-5

Molecular Formula: C₁₈H₂₀O₄

Molecular Weight: 300.354

Accurate Mass: 300.13616

Percentage Composition: C 71.98%; H 6.71%; O 21.31%

Biological Source: Constit. of *Magnolia officinalis* (Magnoliaceae)

Physical Description: Powder

Optical Rotation: $[\alpha]_{\text{D}}^{17} -0.8$ (c, 1.5 in MeOH)

>>Derivative: 4',7-Dideoxy, 6'-hydroxy

Synonym(s): Magnolignan C

CAS Registry Number: 93697-42-8

Molecular Formula: C₁₈H₂₀O₄

Molecular Weight: 300.354

Accurate Mass: 300.13616

Percentage Composition: C 71.98%; H 6.71%; O 21.31%

Biological Source: Constit. of *Magnolia officinalis* (Magnoliaceae)

Physical Description: Powder

Optical Rotation: $[\alpha]_{\text{D}}^{22} -6.8$ (c, 0.9 in MeOH)

>>Derivative: 4'-Deoxy, 6'-hydroxy, 7-Me ether

Synonym(s): Magnolignan D

CAS Registry Number: 138749-67-4

Molecular Formula: C₁₉H₂₂O₅

Molecular Weight: 330.38

Accurate Mass: 330.146725

Percentage Composition: C 69.07%; H 6.71%; O 24.21%

Biological Source: Constit. of *Magnolia officinalis* (Magnoliaceae)

Physical Description: Powder

Optical Rotation: $[\alpha]_{\text{D}}^{17} +3$ (c, 0.9 in MeOH)

References:

Yahara, S. *et al.*, *Chem. Pharm. Bull.*, 1991, **39**, 2024, (*isol*, *pmr*, *cmr*)