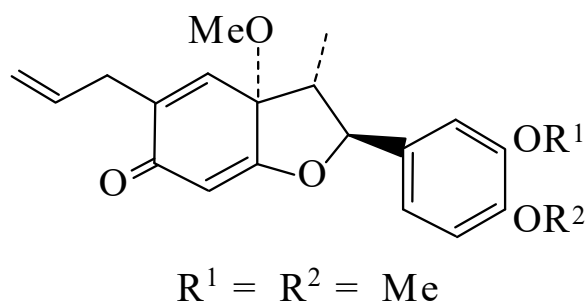




>>Entry Name: Denudatin B



CAS Registry Number: 87402-88-8

Molecular Formula: $\text{C}_{21}\text{H}_{24}\text{O}_5$

Molecular Weight: 356.418

Accurate Mass: 356.162375

Percentage Composition: C 70.77%; H 6.79%; O 22.44%

>>Variant: (+)-form

Molecular Formula: $\text{C}_{21}\text{H}_{24}\text{O}_5$

Molecular Weight: 356.418

Accurate Mass: 356.162375

Percentage Composition: C 70.77%; H 6.79%; O 22.44%

Biological Source: Constit. of *Magnolia denudata*

Physical Description: Oil

Optical Rotation: $[\alpha]_{\text{D}} +82.7$ (c, 2.67 in MeOH)

>>Derivative: 5-Epimer

Synonym(s): Kadsurenone

CAS Registry Number: 95851-37-9

Molecular Formula: $\text{C}_{21}\text{H}_{24}\text{O}_5$

Molecular Weight: 356.418

Accurate Mass: 356.162375

Percentage Composition: C 70.77%; H 6.79%; O 22.44%

Biological Source: Isol. from *Piper futokadsura*

Physical Description: Cryst.

Melting Point: Mp 62-65°

Optical Rotation: $[\alpha]_{\text{D}}^{22} +3.2$

>>Variant: (–)-form

CAS Registry Number: 150134-23-9

Molecular Formula: $\text{C}_{21}\text{H}_{24}\text{O}_5$

Molecular Weight: 356.418

Accurate Mass: 356.162375

Percentage Composition: C 70.77%; H 6.79%; O 22.44%

Biological Source: Isol. from *Piper kadsura*

Optical Rotation: $[\alpha]_{\text{D}}^{15} -76.4$ (c, 0.11 in CHCl_3)

References:

Iida, T. *et al.*, *Phytochemistry*, 1982, **21**, 2939, (*Denudatin B*)

Chang, M.N. *et al.*, *Phytochemistry*, 1985, **24**, 2079, (*Kadsurenone*)

Ma, Y. *et al.*, *Yaoxue Xuebao*, 1993, **28**, 370, (–)-form)

Horne, D.A. *et al.*, *Tet. Lett.*, 1999, **40**, 5443-5447, (*synth*)