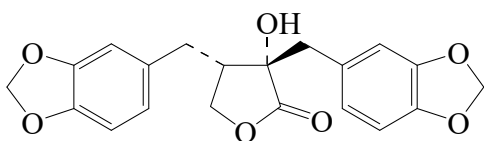




>>Entry Name: 8-Hydroxy-3,4:3',4'-bismethylenedioxyignan-9,9'-olide



Absolute
Configuration

Molecular Formula: C₂₀H₁₈O₇

Molecular Weight: 370.358

Accurate Mass: 370.105255

Percentage Composition: C 64.86%; H 4.90%; O 30.24%

>>Variant: (3*S*,4*S*)-form

Synonym(s): Meridinol

CAS Registry Number: 120051-54-9

Molecular Formula: C₂₀H₁₈O₇

Molecular Weight: 370.358

Accurate Mass: 370.105255

Percentage Composition: C 64.86%; H 4.90%; O 30.24%

Biological Source: Constit. of *Zanthoxylum fagara*

Physical Description: Needles (EtOAc/petrol)

Melting Point: Mp 122-123°. Mp 126.5° (synthetic)

Optical Rotation: $[\alpha]_{\text{D}}^{25} -30$ (c, 0.1 in CHCl₃). $[\alpha]_{\text{D}}^{20} -38.6$ (c, 0.09 in CHCl₃) (synthetic)

References:

Amaro-Luis, J.M. *et al.*, *Phytochemistry*, 1988, **27**, 3933, (*isol, cryst struct*)

Amer, A. *et al.*, *J. Nat. Prod.*, 1993, **56**, 600, (*synth*)

Takano, D. *et al.*, *J. Het. Chem.*, 1999, **36**, 221-224, (*synth, ir, pmr, cmr, abs config*)