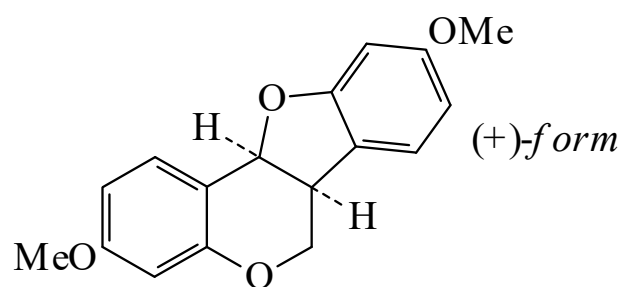




>>Entry Name: **3,9-Dimethoxypterocarpan**

Synonym(s): *6a,11a*-Dihydro-3,9-dimethoxy-6*H*-benzofuro[3,2-*c*][1]benzopyran, 9Cl. **Homopterocarpin**. Baphinitone



Related CAS Registry Numbers(s): 23097-83-8 23513-56-6

Molecular Formula: C₁₇H₁₆O₄

Molecular Weight: 284.311

Accurate Mass: 284.10486

Percentage Composition: C 71.82%; H 5.67%; O 22.51%

UV: [neutral] λ_{max} 281 (ε 5880); 282 (); 286 (ε 7080); 287 () (MeOH) (Berdy) [neutral] λ_{max} 282 (); 287 () (EtOH) (Berdy)

>>Variant: (+)-form

CAS Registry Number: 23097-83-8

Type of Compound Code(s): VK3400

Molecular Formula: C₁₇H₁₆O₄

Molecular Weight: 284.311

Accurate Mass: 284.10486

Percentage Composition: C 71.82%; H 5.67%; O 22.51%

Biological Source: Isol. from the heartwood of *Machaerium villosum*

Physical Description: Cryst. (hexane)

>>Variant: (–)-form

CAS Registry Number: 606-91-7

Type of Compound Code(s): VK3400

Molecular Formula: C₁₇H₁₆O₄

Molecular Weight: 284.311

Accurate Mass: 284.10486

Percentage Composition: C 71.82%; H 5.67%; O 22.51%

Biological Source: Isol. from *Baphia nitida*, *Bowdichia nitida*, *Maackia amurensis*, *Pericopsis angolensis*, *Pericopsis achliebenii*, several *Pterocarpus* spp., *Swartzia madagascariensis* and *Trifolium hybridum* (all Leguminosae subf. Papilionoideae; opt. rotns. not always reported)

Physical Description: Needles (petrol or EtOH)

Melting Point: Mp 88-89° (83-85°)

Optical Rotation: [α]_D²² –225 (CHCl₃)

>>Variant: (±)-form

CAS Registry Number: 7678-43-5

Molecular Formula: C₁₇H₁₆O₄

Molecular Weight: 284.311

Accurate Mass: 284.10486

Percentage Composition: C 71.82%; H 5.67%; O 22.51%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 129-130° (126-127°)

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