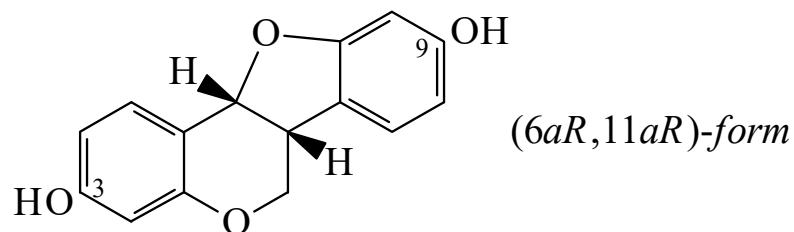




>>Entry Name: 3,9-Dihydroxypterocarpan

Synonym(s): 6*a*,11*a*-Dihydro-6*H*-benzofuro[3,2-*c*][1]benzopyran-3,9-diol, 9C1. Demethylmedicarpin



Related CAS Registry Numbers(s): 70144-19-3 129262-45-9

Molecular Formula: C₁₅H₁₂O₄

Molecular Weight: 256.257

Accurate Mass: 256.07356

Percentage Composition: C 70.31%; H 4.72%; O 24.97%

UV: [neutral] $\lambda_{\max}$ 211 (); 284 () (EtOH) (Berdy) [base] $\lambda_{\max}$ 215 (); 248 (); 297 () (EtOH-NaOH) (Berdy)

>>Variant: (6*aR*,11*aR*)-form

CAS Registry Number: 61135-91-9

Type of Compound Code(s): VK3400

Molecular Formula: C₁₅H₁₂O₄

Molecular Weight: 256.257

Accurate Mass: 256.07356

Percentage Composition: C 70.31%; H 4.72%; O 24.97%

Biological Source: Fungal metab. of Medicarpin. Also isol. in small amt. from *Erythrina* spp. and *Pachyrrhizus erectus*

Physical Description: Pale yellow amorph. powder

>>Derivative: 3-Me ether

Synonym(s): 9-Hydroxy-3-methoxypterocarpan. **Isomedicarpin**

CAS Registry Number: 74560-05-7

Type of Compound Code(s): VK3400

Molecular Formula: C₁₆H₁₄O₄

Molecular Weight: 270.284

Accurate Mass: 270.08921

Percentage Composition: C 71.10%; H 5.22%; O 23.68%

Biological Source: Constit. of *Psophocarpus tetragonolobus* and *Dalbergia stevensonii*

Physical Description: Cryst.

Melting Point: Mp 106°

Optical Rotation: $[\alpha]_{\text{D}}^{18}$ -201 (CHCl₃)

UV: [neutral] $\lambda_{\max}$ 286 (ϵ 6600) (EtOH) (Berdy)

>>Derivative: 3-Me ether, 9-*O*- β -D-glucopyranoside

Synonym(s): **Medicarpin**

CAS Registry Number: 52766-70-8

Type of Compound Code(s): VK3400

Molecular Formula: C₂₂H₂₄O₉

Molecular Weight: 432.426

Accurate Mass: 432.142035

Percentage Composition: C 61.11%; H 5.59%; O 33.30%

Biological Source: Constit. of *Medicago sativa* and *Trifolium* spp.

Melting Point: Mp 270-272°

Optical Rotation: $[\alpha]_{\text{D}}^{20}$ -44.5 (c, 0.05 in MeOH). $[\alpha]_{\text{D}}^{23}$ -149 (c, 0.9 in Py)

>>Derivative: Di-Me ether

see 3,9-Dimethoxypterocarpan, [KDD55-H](#)