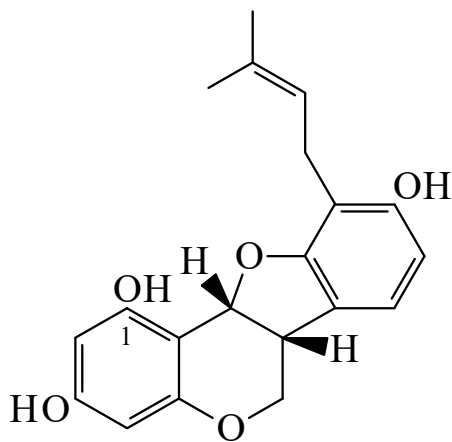




>>Entry Name: **1,3,9-Trihydroxy-10-prenylpterocarpan**

Synonym(s): *6a,11a*-Dihydro-10-(3-methyl-1-butenyl)-6*H*-benzofuro[3,2-*c*][1]benzopyran-1,3,9-triol



Molecular Formula: C₂₀H₂₀O₅

Molecular Weight: 340.375

Accurate Mass: 340.131075

Percentage Composition: C 70.58%; H 5.92%; O 23.50%

>>Derivative: 1-Me ether

Synonym(s): 3,9-Dihydroxy-1-methoxy-10-prenylpterocarpan. **1-Methoxyphaseollidin**

CAS Registry Number: 65428-13-9

Molecular Formula: C₂₁H₂₂O₅

Molecular Weight: 354.402

Accurate Mass: 354.146725

Percentage Composition: C 71.17%; H 6.26%; O 22.57%

Optical Rotation: [α]_D¹⁸ -225 (CHCl₃)

UV: [neutral] $\lambda_{\max}$ 287 (ϵ 1500); 330 (sh) () (MeOH)

References:

Preston, N.W. *et al.*, *Phytochemistry*, 1977, **16**, 2044-2045, (*isol*)

Kitagawa, I. *et al.*, *Chem. Pharm. Bull.*, 1998, **46**, 1511-1517, (*isol*, *uv*, *ir*, *cd*, *pmr*, *cmr*)