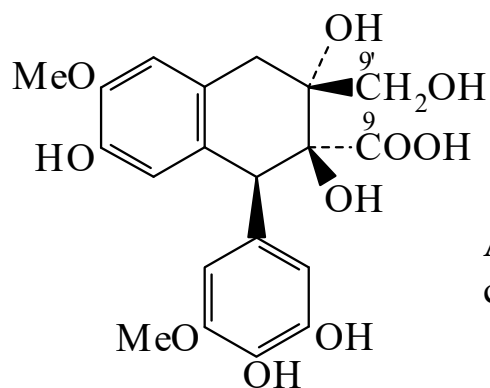




>>Entry Name: Plicatic acid



Absolute
configuration

CAS Registry Number: 16462-65-0

Related CAS Registry Numbers(s): 7531-92-2

Molecular Formula: C₂₀H₂₂O₁₀

Molecular Weight: 422.388

Accurate Mass: 422.1213

Percentage Composition: C 56.87%; H 5.25%; O 37.88%

Biological Source: Isol. from *Thuja plicata* (red cedar)

Physical Description: Amorph. tan powder

Optical Rotation: [α]_D²¹ -9.99 (H₂O)

>>Derivative: 9',9-Lactone

Synonym(s): Plicatin. Plicatic acid lactone

CAS Registry Number: 16462-67-2

Molecular Formula: C₂₀H₂₀O₉

Molecular Weight: 404.373

Accurate Mass: 404.110735

Percentage Composition: C 59.41%; H 4.99%; O 35.61%

Biological Source: Isol. from heartwood of *Thuja plicata*

References:

Gardner, J.A.F. *et al.*, *Can. J. Chem.*, 1959, **37**, 1703; 1960, **38**, 2387, (*isol*)

Gardner, J.A.F. *et al.*, *Can. J. Chem.*, 1966, **44**, 52, (*isol, cryst struct*)

Swan, R.J. *et al.*, *Can. J. Chem.*, 1967, **45**, 319, (*ord, abs config*)