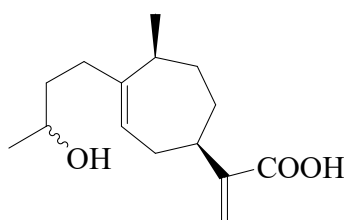




>>Entry Name: 4-Hydroxy-1(5),11(13)-xanthadien-12-oic acid



Molecular Formula: C₁₅H₂₄O₃

Molecular Weight: 252.353

Accurate Mass: 252.172545

Percentage Composition: C 71.39%; H 9.59%; O 19.02%

>>Variant: (4ξ,10β)-form

Synonym(s): 4-Hydroxybedfordiaic acid

CAS Registry Number: 68799-39-3

Molecular Formula: C₁₅H₂₄O₃

Molecular Weight: 252.353

Accurate Mass: 252.172545

Percentage Composition: C 71.39%; H 9.59%; O 19.02%

Biological Source: Constit. of *Bedfordia salicina*

Physical Description: Cryst. (Et₂O)

Melting Point: Mp 106°

Optical Rotation: [α]_D²⁴ -48.6 (c, 2.2 in MeOH)

>>Derivative: 4-Ketone

Synonym(s): 4-Oxo-1(5),11(13)-xanthadien-12-oic acid. 4-Oxobedfordiaic acid

CAS Registry Number: 68799-38-2

Molecular Formula: C₁₅H₂₂O₃

Molecular Weight: 250.337

Accurate Mass: 250.156895

Percentage Composition: C 71.97%; H 8.86%; O 19.17%

Biological Source: Constit. of *Bedfordia salicina*

References:

Bohlmann, F. *et al.*, *Phytochemistry*, 1978, **17**, 1173-1178, (*isol*, *pmr*)