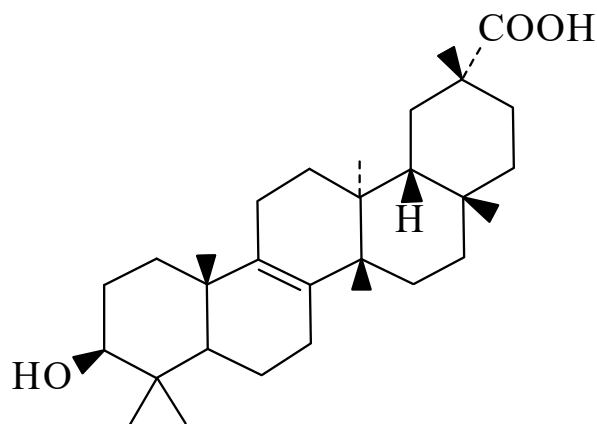




>>Entry Name: 3-Hydroxy-8-multifloren-29-oic acid



Molecular Formula: C₃₀H₄₈O₃

Molecular Weight: 456.707

Accurate Mass: 456.360345

Percentage Composition: C 78.90%; H 10.59%; O 10.51%

>>Variant: 3β-form

Synonym(s): Bryonolic acid

CAS Registry Number: 24480-45-3

Molecular Formula: C₃₀H₄₈O₃

Molecular Weight: 456.707

Accurate Mass: 456.360345

Percentage Composition: C 78.90%; H 10.59%; O 10.51%

Biological Source: Constit. of *Bryonia dioica* and *Sandoricum indicum*

Use/Importance: Antiallergic agent

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 300-303°

Optical Rotation: [α]_D +24 (c, 2.53 in Py)

>>Derivative: Ac

CAS Registry Number: 24480-46-4

Molecular Formula: C₃₂H₅₀O₄

Molecular Weight: 498.745

Accurate Mass: 498.37091

Percentage Composition: C 77.06%; H 10.10%; O 12.83%

>>Derivative: 3-Ketone

Synonym(s): 3-Oxo-8-multifloren-29-oic acid. **Bryononic acid**

CAS Registry Number: 24480-44-2

Molecular Formula: C₃₀H₄₆O₃

Molecular Weight: 454.692

Accurate Mass: 454.344695

Percentage Composition: C 79.25%; H 10.20%; O 10.56%

Biological Source: Constit. of *Sandoricum indicum*

Physical Description: Cryst. (Me₂CO/MeOH)

Melting Point: Mp 244-245°

Optical Rotation: [α]_D +37.6 (c, 8.0 in CHCl₃)

References:

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Cattel, L. *et al.*, *Planta Med.*, 1981, **41**, 328-336, (*occur, Ac*)
Kamisako, W. *et al.*, *Org. Magn. Reson.*, 1984, **22**, 93, (*cmr*)
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Cho, H.J. *et al.*, *Phytochemistry*, 1992, **31**, 3893, (*occur*)
Tabata, M. *et al.*, *J. Nat. Prod.*, 1993, **56**, 165, (*isol, use*)
Cho, H.J. *et al.*, *Phytochemistry*, 1993, **33**, 1407, (*biosynth*)
Kosela, S. *et al.*, *Phytochemistry*, 1995, **38**, 691, (*Bryononic acid, pmr, cmr, cryst struct*)