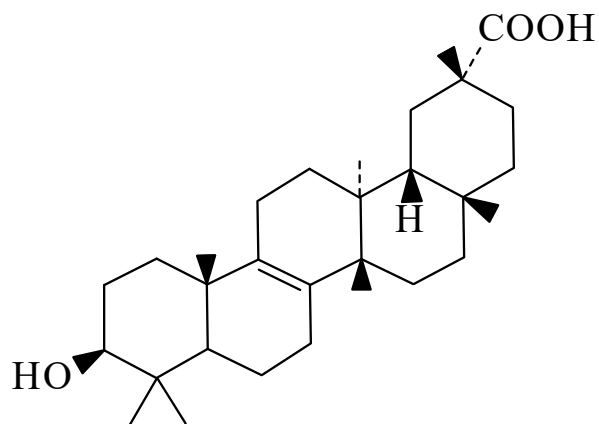




>>Entry Name: 3-Hydroxy-8-multifloren-29-oic acid



**Molecular Formula:** C<sub>30</sub>H<sub>48</sub>O<sub>3</sub>

**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:** C<sub>30</sub>H<sub>48</sub>O<sub>3</sub>

**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]<sub>D</sub> +24 (c, 2.53 in Py)

>>Derivative: Ac

**CAS Registry Number:** 24480-46-4

**Molecular Formula:** C<sub>32</sub>H<sub>50</sub>O<sub>4</sub>

**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:** C<sub>30</sub>H<sub>46</sub>O<sub>3</sub>

**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. (Me<sub>2</sub>CO/MeOH)

**Melting Point:** Mp 244-245°

**Optical Rotation:** [α]<sub>D</sub> +37.6 (c, 8.0 in CHCl<sub>3</sub>)

#### References:

- Sim, K.Y. *et al.*, *Phytochemistry*, 1972, **11**, 3341  
Cattel, L. *et al.*, *Planta Med.*, 1981, **41**, 328-336, (*occur*, *Ac*)  
Kamisako, W. *et al.*, *Org. Magn. Reson.*, 1984, **22**, 93, (*cmr*)  
Kamisako, W. *et al.*, *Magn. Reson. Chem.*, 1987, **25**, 848, (*cmr*)  
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*)