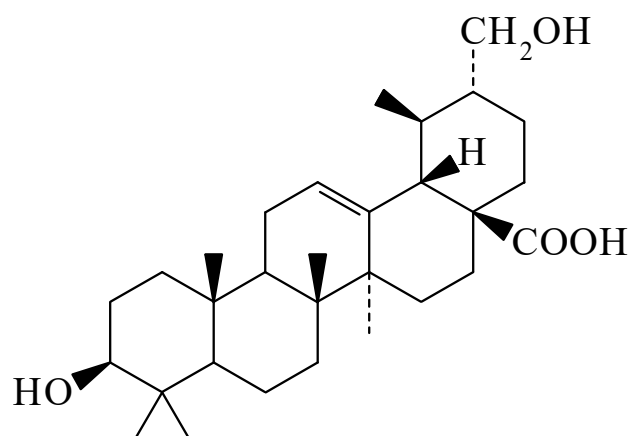




>>Entry Name: 3,30-Dihydroxy-12-ursen-28-oic acid



**Molecular Formula:** C<sub>30</sub>H<sub>48</sub>O<sub>4</sub>

**Molecular Weight:** 472.707

**Accurate Mass:** 472.35526

**Percentage Composition:** C 76.23%; H 10.23%; O 13.54%

>>Variant: 3 $\beta$ -form

**Synonym(s):** Rubifolic acid. 30-Hydroxyursolic acid

**CAS Registry Number:** 80489-65-2

**Type of Compound Code(s):** VS8650

**Molecular Formula:** C<sub>30</sub>H<sub>48</sub>O<sub>4</sub>

**Molecular Weight:** 472.707

**Accurate Mass:** 472.35526

**Percentage Composition:** C 76.23%; H 10.23%; O 13.54%

**Biological Source:** Isol. from *Rubia cordifolia* and *Randia siamensis*

**Physical Description:** Flakes

**Melting Point:** Mp 286-287°

**Optical Rotation:** [ $\alpha$ ]<sub>D</sub> +58.8 (c, 0.19 in EtOH)

>>Derivative: 3-O-(4-Hydroxycinnamoyl)

**Synonym(s):** Rubicoumaric acid

**CAS Registry Number:** 80489-66-3

**Type of Compound Code(s):** VS8650

**Molecular Formula:** C<sub>39</sub>H<sub>54</sub>O<sub>6</sub>

**Molecular Weight:** 618.852

**Accurate Mass:** 618.39204

**Percentage Composition:** C 75.69%; H 8.79%; O 15.51%

**Biological Source:** Isol. from *Rubia cordifolia*

**Physical Description:** Amorph.

**Melting Point:** Mp 215°

**Optical Rotation:** [ $\alpha$ ]<sub>D</sub> +24.5 (c, 0.17 in CHCl<sub>3</sub>)

**UV:** [neutral]  $\lambda_{\max}$  210 (log  $\epsilon$  4.55); 314 (log  $\epsilon$  4.56) (EtOH)

>>Derivative: 30-O-(4-Hydroxycinnamoyl)

**Synonym(s):** Zamanic acid

**CAS Registry Number:** 260393-05-3

**Type of Compound Code(s):** VS8650

**Molecular Formula:** C<sub>39</sub>H<sub>54</sub>O<sub>6</sub>

**Molecular Weight:** 618.852

**Accurate Mass:** 618.39204

**Percentage Composition:** C 75.69%; H 8.79%; O 15.51%

**Biological Source:** Constit. of *Plumeria obtusa*

**Optical Rotation:** [ $\alpha$ ]<sub>D</sub><sup>27</sup> +26 (c, 0.15 in CHCl<sub>3</sub>)

**UV:** [neutral]  $\lambda_{\max}$  202 (); 311 () (MeOH)

#### References:

Talapatra, S.K. *et al.*, *Phytochemistry*, 1981, **20**, 1923, (*isol, uv, ir, cmr, ms*)

Woo, W.S. *et al.*, *Arch. Pharmacal Res.*, 1984, **7**, 57, (*isol*)

Siddiqui, B.S. *et al.*, *Phytochemistry*, 1999, **52**, 1111-1115, (*Zamanic acid*)