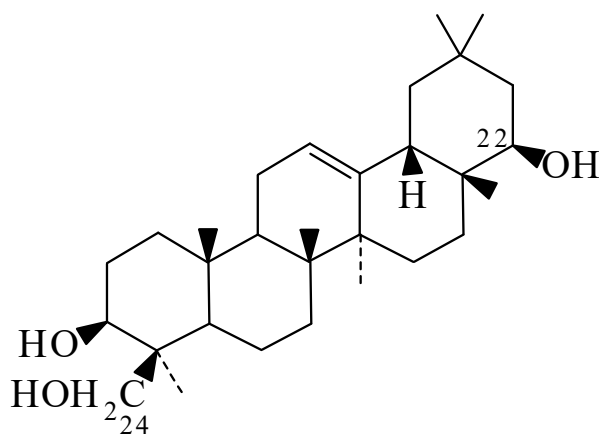




>>Entry Name: 12-Oleanene-3,22,24-triol  
ENTRY UNDER REVIEW



Related CAS Registry Numbers(s): 86500-81-4 86511-98-0 86764-24-1

**Molecular Formula:** C<sub>30</sub>H<sub>50</sub>O<sub>3</sub>  
**Molecular Weight:** 458.723  
**Accurate Mass:** 458.375995  
**Percentage Composition:** C 78.55%; H 10.99%; O 10.46%

>>Variant: (3 $\beta$ ,22 $\beta$ )-form  
**Synonym(s):** Soyasapogenol B. Soyasapogenol M<sub>2</sub>

**CAS Registry Number:** 595-15-3

**Molecular Formula:** C<sub>30</sub>H<sub>50</sub>O<sub>3</sub>  
**Molecular Weight:** 458.723  
**Accurate Mass:** 458.375995  
**Percentage Composition:** C 78.55%; H 10.99%; O 10.46%  
**Biological Source:** Constit. of soya bean saponin, *Medicago*, *Astragalus*, *Trifolium* spp. and isol. from *Streptomyces* sp.  
**Physical Description:** Cryst. (MeOH)  
**Melting Point:** Mp 258-259°  
**Optical Rotation:** [ $\alpha$ ]<sub>D</sub><sup>30</sup> +92.4 (CHCl<sub>3</sub>)  
**Other Data:** Originally assigned 3,21,24-trihydroxy struct.

>>Derivative: 3,24-Carbonate (cyclic ester)  
**Synonym(s):** Soyasapogenol G

**Molecular Formula:** C<sub>31</sub>H<sub>48</sub>O<sub>4</sub>  
**Molecular Weight:** 484.718  
**Accurate Mass:** 484.35526  
**Percentage Composition:** C 76.82%; H 9.98%; O 13.20%  
**Biological Source:** Constit. of *Melilotus messanensis*  
**Physical Description:** Amorph. solid  
**Melting Point:** Mp 148-152°  
**Optical Rotation:** [ $\alpha$ ]<sub>D</sub><sup>25</sup> +29 (c, 0.1 in CHCl<sub>3</sub>)

>>Derivative: 3-O- $\alpha$ -L-Arabinopyranoside  
**Synonym(s):** Melilotoside A

**CAS Registry Number:** 170663-67-9

**Molecular Formula:** C<sub>35</sub>H<sub>58</sub>O<sub>7</sub>  
**Molecular Weight:** 590.839  
**Accurate Mass:** 590.418255  
**Percentage Composition:** C 71.15%; H 9.89%; O 18.96%  
**Biological Source:** Constit. of *Melilotus albus*

>>Derivative: 22-O- $\beta$ -D-Glucopyranoside  
**Synonym(s):** Sigmoside C