



**Molecular Formula:** C<sub>48</sub>H<sub>76</sub>O<sub>19</sub>  
**Molecular Weight:** 957.117  
**Accurate Mass:** 956.498085  
**Percentage Composition:** C 60.24%; H 8.00%; O 31.76%  
**Biological Source:** Saponin from *Acanthopanax koreanum*  
**Physical Description:** Powder (MeOH aq.)  
**Melting Point:** Mp 225-228°  
**Optical Rotation:** [ $\alpha$ ]<sub>D</sub><sup>27</sup> -41.2 (c, 0.39 in EtOH)

>>**Derivative:** 23,28-Dicarboxylic acid, 28-*O*-[ $\alpha$ -L-rhamnopyranosyl-(1→4)- $\beta$ -D-glucopyranosyl-(1→6)- $\beta$ -D-glucopyranosyl] ester  
**Synonym(s):** Oplopanaxoside A

**CAS Registry Number:** 126594-50-1

**Molecular Formula:** C<sub>48</sub>H<sub>76</sub>O<sub>19</sub>  
**Molecular Weight:** 957.117  
**Accurate Mass:** 956.498085  
**Percentage Composition:** C 60.24%; H 8.00%; O 31.76%  
**Biological Source:** Constit. of *Oplopanax japonicus*  
**Physical Description:** Powder  
**Optical Rotation:** [ $\alpha$ ]<sub>D</sub> -30.3 (c, 1 in Py)

>>**Variant:** 3 $\beta$ -form  
**Synonym(s):** Sorbikortal II

**CAS Registry Number:** 76260-92-9

**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 *Elaeodendron glaucum* and *Sorbus aucuparia*  
**Physical Description:** Cryst.  
**Melting Point:** Mp 256-258°  
**Optical Rotation:** [ $\alpha$ ]<sub>D</sub> +24.6 (CHCl<sub>3</sub>). [ $\alpha$ ]<sub>D</sub> -28.9 (CHCl<sub>3</sub>)

>>**Derivative:** 28-Aldehyde  
**Synonym(s):** 3,23-Dihydroxy-20(29)-lupen-28-al. Swinniol

**CAS Registry Number:** 220271-86-3

**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 *Bersama swinnyi*

>>**Derivative:** 28-Carboxylic acid  
**Synonym(s):** Anemosapogenin. 23-Hydroxybetulinic acid

**CAS Registry Number:** 85999-40-2

**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:** Constit. of *Paeonia japonica*, *Anemone chinensis* and *Pulsatilla chinensis*  
**Physical Description:** Cryst. (MeOH/CHCl<sub>3</sub>)  
**Melting Point:** Mp 300-302° (263-267°)  
**Optical Rotation:** [ $\alpha$ ]<sub>D</sub><sup>21</sup> +88 (c, 0.0.75 in Py)

>>**Derivative:** 28-Carboxylic acid, 3-*O*- $\alpha$ -L-arabinopyranoside  
**Synonym(s):** Pulsatilloside A

**CAS Registry Number:** 136684-41-8