



**Type of Compound Code(s):** VS8650  
**Molecular Formula:** C<sub>36</sub>H<sub>58</sub>O<sub>9</sub>  
**Molecular Weight:** 634.849  
**Accurate Mass:** 634.408085  
**Percentage Composition:** C 68.11%; H 9.21%; O 22.68%  
**Biological Source:** Constit. of *Sanguisorba officinalis*  
**Physical Description:** Cryst. (MeOH)  
**Melting Point:** Mp 279-280°

>> **Derivative:** 28-*O*-β-D-Glucopyranosyl ester, 3-sulfate  
**Synonym(s):** Ilexoside XXIX

**CAS Registry Number:** 149475-48-9  
**Type of Compound Code(s):** VS8650  
**Molecular Formula:** C<sub>36</sub>H<sub>58</sub>O<sub>12</sub>S  
**Molecular Weight:** 714.913  
**Accurate Mass:** 714.3649  
**Percentage Composition:** C 60.48%; H 8.18%; O 26.86%; S 4.49%  
**Biological Source:** Constit. of *Ilex rotunda*  
**Physical Description:** Needles (MeOH)  
**Melting Point:** Mp 204-206°  
**Optical Rotation:** [α]<sub>D</sub> +13.7 (c, 4.6 in MeOH)

>> **Derivative:** 3-*O*-α-L-Arabinoside  
**Synonym(s):** Ziyuglycoside II

**CAS Registry Number:** 35286-59-0  
**Type of Compound Code(s):** VS8650  
**Molecular Formula:** C<sub>35</sub>H<sub>56</sub>O<sub>8</sub>  
**Molecular Weight:** 604.823  
**Accurate Mass:** 604.39752  
**Percentage Composition:** C 69.51%; H 9.33%; O 21.16%  
**Biological Source:** Isol. from *Ilex cornuta*

>> **Derivative:** 3-*O*-α-L-Arabinopyranoside, β-D-glucopyranosyl ester  
**Synonym(s):** Ziyuglycoside I, Kudinoside H

**CAS Registry Number:** 35286-58-9  
**Type of Compound Code(s):** VS8650  
**Molecular Formula:** C<sub>41</sub>H<sub>66</sub>O<sub>13</sub>  
**Molecular Weight:** 766.965  
**Accurate Mass:** 766.450345  
**Percentage Composition:** C 64.21%; H 8.67%; O 27.12%  
**Biological Source:** Isol. from *Ilex cornuta* and *Ilex kudincha*  
**Physical Description:** Cryst.  
**Melting Point:** Mp 214-215°

>> **Derivative:** 3-*O*-α-L-Arabinopyranoside, 28-*O*-[β-D-glucopyranosyl-(1→6)-β-D-glucopyranosyl] ester  
**Synonym(s):** Mazusaponin II

**Type of Compound Code(s):** VS8650  
**Molecular Formula:** C<sub>47</sub>H<sub>76</sub>O<sub>18</sub>  
**Molecular Weight:** 929.107  
**Accurate Mass:** 928.50317  
**Percentage Composition:** C 60.76%; H 8.24%; O 31.00%  
**Biological Source:** Constit. of *Mazus miguelii*  
**Physical Description:** Amorph. powder  
**Optical Rotation:** [α]<sub>D</sub><sup>22</sup> -8.5 (c, 2.12 in MeOH)