



**Physical Description:** Cryst.  
**Melting Point:** Mp 248-250 dec.°  
**Optical Rotation:**  $[\alpha]_{\text{D}}^{21} -122$  (c, 1 in H<sub>2</sub>O)

>>**Derivative:** 6-Ac, 1-*O*-β-D-glucopyranoside  
**Synonym(s):** 6-Acetylaucubin

**Molecular Formula:** C<sub>17</sub>H<sub>24</sub>O<sub>10</sub>  
**Molecular Weight:** 388.371  
**Accurate Mass:** 388.13695  
**Percentage Composition:** C 52.58%; H 6.23%; O 41.20%  
**Biological Source:** Constit. of *Pedicularis condensata*  
**Physical Description:** Amorph. powder

>>**Derivative:** 10-Ac, 1-*O*-β-D-glucopyranoside  
**Synonym(s):** 10-Acetylaucubin

**Molecular Formula:** C<sub>17</sub>H<sub>24</sub>O<sub>10</sub>  
**Molecular Weight:** 388.371  
**Accurate Mass:** 388.13695  
**Percentage Composition:** C 52.58%; H 6.23%; O 41.20%  
**Biological Source:** Constit. of *Plantago carinata*  
**Physical Description:** Amorph. solid

>>**Derivative:** 10-*O*-(4-Hydroxybenzoyl), 1-*O*-β-D-glucopyranoside  
**Synonym(s):** Agnoside. Agnoside

**CAS Registry Number:** 11027-63-7

**Molecular Formula:** C<sub>22</sub>H<sub>26</sub>O<sub>11</sub>  
**Molecular Weight:** 466.441  
**Accurate Mass:** 466.147515  
**Percentage Composition:** C 56.65%; H 5.62%; O 37.73%  
**Biological Source:** Isol. from *Vitex agnus-castus*, *Vitex negundo*, *Vitex trifoliata*, *Vitex lucens* and other *Vitex* spp., also *Rhinanthus* spp.  
**Physical Description:** Cryst. (H<sub>2</sub>O)  
**Melting Point:** Mp 146°  
**Optical Rotation:**  $[\alpha]_{\text{D}}^{20} -91.5$  (EtOH)

>>**Derivative:** 10-*O*-(4-Methoxybenzoyl), 1-*O*-β-D-glucopyranoside  
**Synonym(s):** Limoniside

**CAS Registry Number:** 234430-58-1

**Molecular Formula:** C<sub>23</sub>H<sub>28</sub>O<sub>11</sub>  
**Molecular Weight:** 480.468  
**Accurate Mass:** 480.163165  
**Percentage Composition:** C 57.50%; H 5.87%; O 36.63%  
**Biological Source:** Constit. of *Vitex limonifolia*  
**Physical Description:** Amorph. solid  
**Optical Rotation:**  $[\alpha]_{\text{D}}^{25} -62.8$  (c, 0.105 in MeOH)

>>**Derivative:** 10-*O*-(4-Hydroxy-3-methoxybenzoyl), 1-*O*-β-D-glucopyranoside  
**Synonym(s):** 10-*O*-Vanilloylaucubin. VR-I

**CAS Registry Number:** 193969-08-3

**Molecular Formula:** C<sub>23</sub>H<sub>28</sub>O<sub>12</sub>  
**Molecular Weight:** 496.467  
**Accurate Mass:** 496.15808  
**Percentage Composition:** C 55.64%; H 5.68%; O 38.67%  
**Biological Source:** Constit. of *Vitex rotundifolia*  
**Physical Description:** Powder  
**Melting Point:** Mp 108-110°  
**Optical Rotation:**  $[\alpha]_{\text{D}}^{25} -66.1$  (c, 4.3 in MeOH).  $[\alpha]_{\text{D}}^{22} -73$  (c, 0.11 in MeOH)  
**UV:** [neutral]  $\lambda_{\text{max}}$  219 (log ε 4.3); 264 (log ε 4.07); 291 (log ε 3.82) (MeOH)