



**Percentage Composition:** C 56.88%; H 7.38%; O 35.74%  
**Biological Source:** Constit. of *Achyranthus faurei* and *Beta vulgaris*  
**Physical Description:** Cryst.; amorph. powder (as tri-Me ester)  
**Melting Point:** Mp 205-206°  
**Optical Rotation:**  $[\alpha]_D +12.5$  (MeOH)  
**Other Data:** Identity of Betavulgaroside V with Achyranthoside D is not yet fully established

>>Variant: Pentaglycosides

>>Derivative: 3-*O*-β-D-Glucuronopyranoside, 28-*O*-[β-D-Xyl-(1→3)-β-D-Xyl-(1→4)-α-L-Rha-(1→2)-α-L-Ara] ester

CAS Registry Number: 221289-23-2

**Molecular Formula:** C<sub>57</sub>H<sub>90</sub>O<sub>25</sub>  
**Molecular Weight:** 1175.323  
**Accurate Mass:** 1174.577125  
**Percentage Composition:** C 58.25%; H 7.72%; O 34.03%  
**Biological Source:** Constit. of *Aster auriculatus*

>>Derivative: 3-*O*-[β-D-Xylopyranosyl-(1→3)-α-L-arabinopyranoside], 28-*O*-[α-L-rhamnopyranosyl-(1→4)-β-D-glucopyranosyl-(1→6)-β-D-glucopyranosyl] ester

CAS Registry Number: 155303-30-3

**Molecular Formula:** C<sub>58</sub>H<sub>94</sub>O<sub>25</sub>  
**Molecular Weight:** 1191.366  
**Accurate Mass:** 1190.608425  
**Percentage Composition:** C 58.47%; H 7.95%; O 33.57%  
**Biological Source:** Constit. of *Clematis koreana*

>>Derivative: 3-*O*-[α-L-Rhamnopyranosyl-(1→2)-α-L-arabinopyranoside], 28-*O*-[α-L-rhamnopyranosyl-(1→4)-β-D-glucopyranosyl-(1→6)-β-D-glucopyranosyl] ester  
**Synonym(s):** Eleutheroside M. Hederacoside B. Hederasaponin B. Hederacolchiside C. Tauroside G<sub>2</sub>. Glycoside L-G<sub>2</sub>

CAS Registry Number: 36284-77-2

**Molecular Formula:** C<sub>59</sub>H<sub>96</sub>O<sub>25</sub>  
**Molecular Weight:** 1205.392  
**Accurate Mass:** 1204.624075  
**Percentage Composition:** C 58.79%; H 8.03%; O 33.18%  
**Biological Source:** Isol. from *Eleutherococcus (Acanthopanax) senticosus* (Siberian ginseng), *Hedera colchica*, *Hedera conariensis* and *Hedera taurica*  
**Optical Rotation:**  $[\alpha]_D^{20} -28.8$  (c, 4.9 in MeOH)

>>Derivative: 3-*O*-[α-L-Rhamnopyranosyl-(1→4)-α-L-arabinopyranoside], 28-*O*-[α-L-rhamnopyranosyl-(1→4)-β-D-glucopyranosyl-(1→6)-β-D-glucopyranosyl] ester  
**Synonym(s):** Eleutheroside L

CAS Registry Number: 35790-96-6

**Molecular Formula:** C<sub>59</sub>H<sub>96</sub>O<sub>25</sub>  
**Molecular Weight:** 1205.392  
**Accurate Mass:** 1204.624075  
**Percentage Composition:** C 58.79%; H 8.03%; O 33.18%  
**Biological Source:** Isol. from *Eleutherococcus (Acanthopanax) senticosus* (Siberian ginseng)

>>Derivative: 3-*O*-[β-D-Quinovopyranosyl-(1→2)-α-L-arabinopyranoside], 28-*O*-[α-L-Rha-(1→4)-β-D-Glc-(1→6)-β-D-Glc] ester

CAS Registry Number: 261767-92-4

**Molecular Formula:** C<sub>59</sub>H<sub>96</sub>O<sub>25</sub>  
**Molecular Weight:** 1205.392  
**Accurate Mass:** 1204.624075  
**Percentage Composition:** C 58.79%; H 8.03%; O 33.18%  
**Biological Source:** Constit. of *Trevesia palmata*  
**Physical Description:** Amorph. powder  
**Optical Rotation:**  $[\alpha]_D^{25} +30$  (c, 1 in MeOH)

>>Derivative: 3-*O*-[β-D-Glucopyranosyl-(1→4)-α-L-arabinopyranoside], 28-*O*-[β-D-xylopyranosyl-(1→3)-α-L-rhamnopyranosyl-(1→4)-β-D-xylopyranosyl] ester  
**Synonym(s):** Scabioside F