



**Accurate Mass:** 604.39752  
**Percentage Composition:** C 69.51%; H 9.33%; O 21.16%  
**Biological Source:** Constit. of *Pulsatilla chinensis*  
**Physical Description:** Cryst. or amorph. powder  
**Melting Point:** Mp 160-165°

>>**Derivative:** 28-Carboxylic acid, 3-*O*-β-D-glucopyranoside, 28-*O*-[α-L-rhamnopyranosyl-(1→4)-β-D-glucopyranosyl-(1→6)-β-D-glucopyranosyl] ester  
**Synonym(s):** Cirensenoside S. Cirensenoside S

**CAS Registry Number:** 226572-11-8

**Molecular Formula:** C<sub>54</sub>H<sub>88</sub>O<sub>23</sub>  
**Molecular Weight:** 1105.275  
**Accurate Mass:** 1104.571645  
**Percentage Composition:** C 58.68%; H 8.02%; O 33.29%  
**Biological Source:** Constit. of *Oplopanax elatus*  
**Physical Description:** Powder  
**Melting Point:** Mp 220-222°  
**Optical Rotation:** [α]<sub>D</sub><sup>20</sup> -23.5 (c, 0.5 in MeOH)

>>**Derivative:** 28-Carboxylic acid, 28-*O*-[α-L-rhamnopyranosyl-(1→4)-β-D-glucopyranosyl-(1→6)-β-D-glucopyranosyl] ester  
**Synonym(s):** Cirensenoside G. Oplopanaxoside D. Pulsatilloside C. Cirensenoside G

**CAS Registry Number:** 162341-28-8

**Molecular Formula:** C<sub>48</sub>H<sub>78</sub>O<sub>18</sub>  
**Molecular Weight:** 943.133  
**Accurate Mass:** 942.51882  
**Percentage Composition:** C 61.13%; H 8.34%; O 30.54%  
**Biological Source:** Constit. of *Oplopanax elatus*, *Oplopanax japonicus* and *Pulsatilla chinensis*  
**Physical Description:** Powder  
**Melting Point:** Mp 182-185°. Mp 213-215°. Mp 250-253 dec.°  
**Optical Rotation:** [α]<sub>D</sub><sup>20</sup> -30 (c, 0.5 in MeOH) (-8.3)

>>**Derivative:** 28-Carboxylic acid, 3-*O*-[α-L-rhamnopyranosyl-(1→2)-α-L-arabinopyranoside]  
**Synonym(s):** Anemoside A<sub>3</sub>

**CAS Registry Number:** 129724-84-1

**Molecular Formula:** C<sub>41</sub>H<sub>66</sub>O<sub>12</sub>  
**Molecular Weight:** 750.965  
**Accurate Mass:** 750.45543  
**Percentage Composition:** C 65.58%; H 8.86%; O 25.57%  
**Biological Source:** Constit. of *Anemone chinensis*

>>**Derivative:** 28-Carboxylic acid, 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):** Anemoside B<sub>4</sub>

**CAS Registry Number:** 129741-57-7

**Molecular Formula:** C<sub>59</sub>H<sub>96</sub>O<sub>26</sub>  
**Molecular Weight:** 1221.392  
**Accurate Mass:** 1220.61899  
**Percentage Composition:** C 58.02%; H 7.92%; O 34.06%  
**Biological Source:** Constit. of *Anemone chinensis*

>>**Derivative:** 28-Carboxylic acid, 28-*O*-[β-D-glucopyranosyl-(1→6)-β-D-glucopyranosyl] ester  
**Synonym(s):** Pulsatilloside B

**CAS Registry Number:** 145578-46-7

**Molecular Formula:** C<sub>42</sub>H<sub>68</sub>O<sub>14</sub>  
**Molecular Weight:** 796.991  
**Accurate Mass:** 796.46091  
**Percentage Composition:** C 63.30%; H 8.60%; O 28.10%  
**Biological Source:** Constit. of *Pulsatilla chinensis*  
**Physical Description:** Amorph. powder