



**CAS Registry Number:** 146714-00-3

**Molecular Formula:** C<sub>63</sub>H<sub>96</sub>O<sub>22</sub>

**Molecular Weight:** 1205.438

**Accurate Mass:** 1204.63933

**Percentage Composition:** C 62.77%; H 8.03%; O 29.20%

**Biological Source:** Constit. of the roots of *Calotropis gigantea*

**Physical Description:** Amorph. solid

**Optical Rotation:** [ $\alpha$ ]<sub>D</sub><sup>22</sup>+12.2 (c, 0.9 in CHCl<sub>3</sub>)

>>>**Derivative:** 12-Benzoyl, 3-*O*-[ $\beta$ -D-glucopyranosyl-(1 $\rightarrow$ 4)-6-deoxy-3-*O*-methyl- $\beta$ -D-allopyranosyl-(1 $\rightarrow$ 4)- $\beta$ -D-oleandropyranosyl-(1 $\rightarrow$ 4)- $\beta$ -D-oleandropyranosyl-(1 $\rightarrow$ 4)- $\beta$ -D-cymaropyranoside]

**Molecular Formula:** C<sub>62</sub>H<sub>94</sub>O<sub>25</sub>

**Molecular Weight:** 1239.41

**Accurate Mass:** 1238.608425

**Percentage Composition:** C 60.08%; H 7.64%; O 32.27%

**Biological Source:** Constit. of *Leptadenia hastata*

**Physical Description:** Amorph. powder

**Optical Rotation:** [ $\alpha$ ]<sub>D</sub><sup>25</sup>+164 (c, 1 in MeOH)

>>>**Derivative:** 12-Benzoyl, 3-*O*-[ $\beta$ -D-oleandropyranosyl-(1 $\rightarrow$ 4)- $\beta$ -D-oleandropyranosyl-(1 $\rightarrow$ 4)- $\beta$ -D-oleandropyranosyl-(1 $\rightarrow$ 4)- $\beta$ -D-cymaropyranosyl-(1 $\rightarrow$ 4)- $\beta$ -D-cymaropyranoside]

**Synonym(s):** Calotroposide C

**CAS Registry Number:** 146959-74-2

**Molecular Formula:** C<sub>63</sub>H<sub>96</sub>O<sub>22</sub>

**Molecular Weight:** 1205.438

**Accurate Mass:** 1204.63933

**Percentage Composition:** C 62.77%; H 8.03%; O 29.20%

**Biological Source:** Constit. of the roots of *Calotropis gigantea*

**Physical Description:** Amorph. solid

**Optical Rotation:** [ $\alpha$ ]<sub>D</sub><sup>23</sup>-1.9 (c, 1.2 in CHCl<sub>3</sub>)

>>>**Derivative:** 12-(4-Hydroxybenzoyl)

**Synonym(s):** Qingyanshengenin

**CAS Registry Number:** 84745-94-8

**Molecular Formula:** C<sub>28</sub>H<sub>36</sub>O<sub>8</sub>

**Molecular Weight:** 500.588

**Accurate Mass:** 500.24102

**Percentage Composition:** C 67.18%; H 7.25%; O 25.57%

**Biological Source:** Constit. of *Cynanchum otophyllum*, *Cynanchum wallichii* and *Marsdenia incisa*

>>>**Derivative:** 12-(4-Hydroxybenzoyl), 3-*O*-[ $\beta$ -D-oleandropyranosyl-(1 $\rightarrow$ 4)- $\beta$ -D-cymaropyranosyl-(1 $\rightarrow$ 4)- $\beta$ -D-cymaropyranoside]

**Synonym(s):** Otophyllside A

**CAS Registry Number:** 106644-33-1

**Molecular Formula:** C<sub>49</sub>H<sub>72</sub>O<sub>17</sub>

**Molecular Weight:** 933.098

**Accurate Mass:** 932.476955

**Percentage Composition:** C 63.07%; H 7.78%; O 29.15%

**Biological Source:** Constit. of *Cynanchum otophyllum*

**Physical Description:** Powder

**Melting Point:** Mp 165-168°

**Optical Rotation:** [ $\alpha$ ]<sub>D</sub><sup>20</sup>+39.5 (c, 2 in MeOH)

**UV:** [neutral]  $\lambda_{\max}$  203 (log  $\epsilon$  4.55); 261 (log  $\epsilon$  4.49); 300 (log  $\epsilon$  3.46) (MeOH)