



Optical Rotation: $[\alpha]_D +4.6$ (MeOH)

>>>**Derivative:** 11,12-Di-Ac, 3-*O*-[β -D-glucopyranosyl-(1 $\rightarrow$ 4)-6-deoxy-3-*O*-methyl- β -D-allopyranosyl-(1 $\rightarrow$ 4)- β -D-oleandropyranosyl-(1 $\rightarrow$ 4)- β -D-cymaropyranosyl-(1 $\rightarrow$ 4)- β -D-cymaropyranoside]

Synonym(s): Hoyacarnoside Q

CAS Registry Number: 246041-88-3

Molecular Formula: C₅₉H₉₆O₂₅

Molecular Weight: 1205.392

Accurate Mass: 1204.624075

Percentage Composition: C 58.79%; H 8.03%; O 33.18%

Biological Source: Constit. of *Hoya carnosa*

Physical Description: Solid

Optical Rotation: $[\alpha]_D^{27} +13.9$ (c, 2.25 in MeOH)

>>>**Derivative:** 11,12-Di-Ac, 3-*O*-[6-deoxy-3-*O*-methyl- β -D-allopyranosyl-(1 $\rightarrow$ 4)- β -D-oleandropyranosyl-(1 $\rightarrow$ 4)- β -D-cymaropyranosyl-(1 $\rightarrow$ 4)- β -D-cymaropyranoside],
Synonym(s): Hoyacarnoside P

CAS Registry Number: 246041-87-2

Molecular Formula: C₅₃H₈₆O₂₀

Molecular Weight: 1043.25

Accurate Mass: 1042.57125

Percentage Composition: C 61.02%; H 8.31%; O 30.67%

Biological Source: Constit. of *Hoya carnosa*

Physical Description: Solid

Optical Rotation: $[\alpha]_D^{27} +14.3$ (c, 1.8 in MeOH)

>>>**Derivative:** Mono-*O*-(3-methylbutanoyl)

Synonym(s): Drebyssogenin K2

Molecular Formula: C₂₆H₄₂O₆

Molecular Weight: 450.614

Accurate Mass: 450.29814

Percentage Composition: C 69.30%; H 9.39%; O 21.30%

Other Data: Isol. as mixt. with K1. Posn. of 3-methylbutanoyl residue not detd.

>>>**Derivative:** 12-*O*-(3-Methylbutanoyl), 11-Ac

Synonym(s): Drebyssogenin G

CAS Registry Number: 20230-38-0

Molecular Formula: C₂₈H₄₄O₇

Molecular Weight: 492.651

Accurate Mass: 492.308705

Percentage Composition: C 68.26%; H 9.00%; O 22.73%

Melting Point: Mp 212-217°

Optical Rotation: $[\alpha]_D +9.7$ (MeOH)

>>>**Derivative:** 12-*O*-(3-Methylbutanoyl), 11-Ac, 3-*O*-[6-deoxy-3-*O*-methyl- β -D-allopyranosyl-(1 $\rightarrow$ 4)- β -D-cymaropyranosyl-(1 $\rightarrow$ 4)- β -D-cymaropyranoside]

Synonym(s): Dregeoside G_{a1}

CAS Registry Number: 98665-66-8

Molecular Formula: C₄₉H₈₀O₁₇

Molecular Weight: 941.161

Accurate Mass: 940.539555

Percentage Composition: C 62.53%; H 8.57%; O 28.90%

Biological Source: Isol. from *Dregea volubilis*

Physical Description: Amorph. solid + 1 $\frac{1}{2}$ H₂O

Melting Point: Mp 126.5-129°

Optical Rotation: $[\alpha]_D^{20} +25.3$ (c, 1.03 in MeOH)

>>>**Derivative:** 12-*O*-(3-Methylbutanoyl), 11-Ac, 3-*O*-[6-deoxy-3-*O*-methyl- β -D-allopyranosyl-(1 $\rightarrow$ 4)- β -D-oleandropyranosyl-(1 $\rightarrow$ 4)- β -D-cymaropyranosyl-(1 $\rightarrow$ 4)- β -D-cymaropyranoside]