



Optical Rotation: $[\alpha]_{\text{D}} +75.2$ (c, 1 in MeOH)

>>Derivative: 3-*O*-[β -D-Glucopyranosyl-(1 $\rightarrow$ 4)- β -D-glucopyranosyl-(1 $\rightarrow$ 4)- β -D-galactopyranoside]

Synonym(s): Agavasaponin C. Agavoside C. Agavesaponin C. Agaveside C

CAS Registry Number: 56316-35-9

Molecular Formula: C₄₅H₇₂O₁₉

Molecular Weight: 917.052

Accurate Mass: 916.466785

Percentage Composition: C 58.94%; H 7.91%; O 33.15%

Biological Source: Constit. of *Agave americana*

Physical Description: Cryst. (MeOH)

Melting Point: Mp 275°

Optical Rotation: $[\alpha]_{\text{D}} -55$ (CHCl₃)

>>Derivative: 3-*O*-[α -D-Glucopyranosyl-(1 $\rightarrow$ 4)- α -D-glucopyranosyl-(1 $\rightarrow$ 4)- α -D-glucopyranoside]

Synonym(s): Cantalanin B

CAS Registry Number: 81892-78-6

Molecular Formula: C₄₅H₇₂O₁₉

Molecular Weight: 917.052

Accurate Mass: 916.466785

Percentage Composition: C 58.94%; H 7.91%; O 33.15%

Biological Source: Constit. of *Agave cantala*

Physical Description: Pale cream powder

Melting Point: Mp 240-243°

Optical Rotation: $[\alpha]_{\text{D}} +95.5$ (c, 1 in MeOH)

>>Derivative: 3-*O*-[β -D-Xylopyranosyl-(1 $\rightarrow$ 2)- β -D-glucopyranosyl-(1 $\rightarrow$ 4)- β -D-glucopyranosyl-(1 $\rightarrow$ 4)- β -D-galactopyranoside]

Synonym(s): Agavasaponin C'. Agavoside C'. Agavesaponin C'. Agaveside C'

CAS Registry Number: 58546-17-1

Molecular Formula: C₅₀H₈₀O₂₃

Molecular Weight: 1049.168

Accurate Mass: 1048.509045

Percentage Composition: C 57.24%; H 7.69%; O 35.07%

Biological Source: From *Agave americana*

Melting Point: Mp 200-204°

Optical Rotation: $[\alpha]_{\text{D}}^{20} -54$ (c, 1.1 in CHCl₃)

>>Derivative: 3-*O*-[β -D-Galactopyranosyl-(1 $\rightarrow$ 2)-[β -D-xylopyranosyl-(1 $\rightarrow$ 3)]- β -D-glucopyranosyl-(1 $\rightarrow$ 4)- β -D-galactopyranoside]

Synonym(s): Terrestrosin D

CAS Registry Number: 179464-23-4

Molecular Formula: C₅₀H₈₀O₂₃

Molecular Weight: 1049.168

Accurate Mass: 1048.509045

Percentage Composition: C 57.24%; H 7.69%; O 35.07%

Biological Source: Constit. of *Tribulus terrestris*

Physical Description: Needles (MeOH)

Melting Point: Mp 277-279°

Optical Rotation: $[\alpha]_{\text{D}}^{24} -20.4$ (c, 1.13 in Py)

>>Derivative: 3-*O*-[β -D-Glucopyranosyl-(1 $\rightarrow$ 2)-[β -D-xylopyranosyl-(1 $\rightarrow$ 3)]- β -D-glucopyranosyl-(1 $\rightarrow$ 4)- β -D-galactopyranoside]

CAS Registry Number: 168960-81-4

Molecular Formula: C₅₀H₈₀O₂₃

Molecular Weight: 1049.168

Accurate Mass: 1048.509045

Percentage Composition: C 57.24%; H 7.69%; O 35.07%

Biological Source: Constit. of *Hosta longipes*

Physical Description: Amorph. powder

Optical Rotation: $[\alpha]$