



Molecular Formula: C₄₄H₇₀O₂₃
Molecular Weight: 967.023
Accurate Mass: 966.430795
Percentage Composition: C 54.65%; H 7.30%; O 38.05%
Biological Source: Constit. of *Stevia rebaudiana*
Physical Description: Cryst. (MeOH)
Melting Point: Mp 205-207°
Optical Rotation: [α]_D²⁵ -34.2 (MeOH)

>>**Derivative:** 13-*O*-[α -L-Rhamnopyranosyl-(1→2)- β -D-glucopyranoside], β -D-glucopyranosyl ester
Synonym(s): Dulcoside A

CAS Registry Number: 64432-06-0

Molecular Formula: C₃₈H₆₀O₁₇
Molecular Weight: 788.882
Accurate Mass: 788.383055
Percentage Composition: C 57.86%; H 7.67%; O 34.48%
Biological Source: Isol. from *Stevia rebaudiana*
Physical Description: Cryst. + 2H₂O (MeOH)
Melting Point: Mp 193-195°
Optical Rotation: [α]_D -46.7 (c, 0.45 in MeOH)
Other Data: Sweet taste

>>**Derivative:** 13-*O*-[β -D-Glucopyranosyl-(1→2)-[β -D-glucopyranosyl-(1→3)]- β -D-glucopyranoside], [β -D-glucopyranosyl-(1→2)- β -D-glucopyranosyl] ester
Synonym(s): Rebaudioside D

CAS Registry Number: 63279-13-0

Molecular Formula: C₅₀H₈₀O₂₈
Molecular Weight: 1129.165
Accurate Mass: 1128.48362
Percentage Composition: C 53.19%; H 7.14%; O 39.67%
Biological Source: Constit. of *Stevia rebaudiana*
Physical Description: Cryst. (EtOH)
Melting Point: Mp 283-286°
Optical Rotation: [α]_D²⁵ -22.7 (MeOH)

>>**Derivative:** 13-*O*-[β -D-Glucopyranosyl-(1→2)-[β -D-glucopyranosyl-(1→3)]- β -D-glucopyranoside]
Synonym(s): Rebaudioside B. Stevioside A₄

CAS Registry Number: 58543-17-2

Molecular Formula: C₃₈H₆₀O₁₈
Molecular Weight: 804.881
Accurate Mass: 804.37797
Percentage Composition: C 56.71%; H 7.51%; O 35.78%
Biological Source: Constit. of *Stevia rebaudiana*
Physical Description: Cryst.
Melting Point: Mp 193-195°
Optical Rotation: [α]_D²⁴ -45.4 (MeOH)

>>**Derivative:** 13-*O*-[β -D-Glucopyranosyl-(1→2)-[β -D-glucopyranosyl-(1→3)]- β -D-glucopyranoside], β -D-glucopyranosyl ester
Synonym(s): Rebaudioside A. Stevioside A₃

CAS Registry Number: 58543-16-1

Molecular Formula: C₄₄H₇₀O₂₃
Molecular Weight: 967.023
Accurate Mass: 966.430795
Percentage Composition: C 54.65%; H 7.30%; O 38.05%
Biological Source: Constit. of *Stevia rebaudiana*
Physical Description: Cryst.
Melting Point: Mp 242-244°
Optical Rotation: [α]_D²⁴ -20.8 (MeOH)