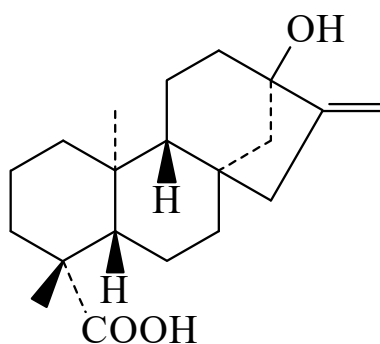




>>Entry Name: 13-Hydroxy-16-kauren-19-oic acid
ENTRY UNDER REVIEW



Related CAS Registry Numbers(s): 77-05-4 29584-19-8

Molecular Formula: C₂₀H₃₀O₃
Molecular Weight: 318.455
Accurate Mass: 318.219495
Percentage Composition: C 75.43%; H 9.49%; O 15.07%

>>Variant: *ent*-form
Synonym(s): Steviol

CAS Registry Number: 471-80-7

Molecular Formula: C₂₀H₃₀O₃
Molecular Weight: 318.455
Accurate Mass: 318.219495
Percentage Composition: C 75.43%; H 9.49%; O 15.07%
Biological Source: Obt. by enzymatic hydrol. of stevioside. Prod. by *Gibberella fujikuroi*; isol. from *Cucurbita maxima*
Use/Importance: Has gibberellin-like activity
Physical Description: Cryst. (MeOH)
Melting Point: Mp 215°
Optical Rotation: [α]_D −94.7 (EtOH)

>>Derivative: 13-*O*-β-D-Glucopyranoside
Synonym(s): 13-*O*-Glucosylsteviol

Molecular Formula: C₂₆H₄₀O₈
Molecular Weight: 480.597
Accurate Mass: 480.27232
Percentage Composition: C 64.98%; H 8.39%; O 26.63%
Biological Source: Constit. of *Rubus suavissimus*
Other Data: Sweet taste

>>Derivative: 13-*O*-β-D-Glucopyranoside, β-D-glucopyranosyl ester
Synonym(s): Rubusoside

CAS Registry Number: 64849-39-4

Molecular Formula: C₃₂H₅₀O₁₃
Molecular Weight: 642.739
Accurate Mass: 642.325145
Percentage Composition: C 59.80%; H 7.84%; O 32.36%
Biological Source: Isol. from leaves of *Rubus chingii* and from *Rubus suavissimus*
Physical Description: Prisms (MeOH aq.)
Melting Point: Mp 178-181°
Optical Rotation: [α]_D¹⁸ −40.3 (c, 0.8 in MeOH)
Other Data: Sweet taste