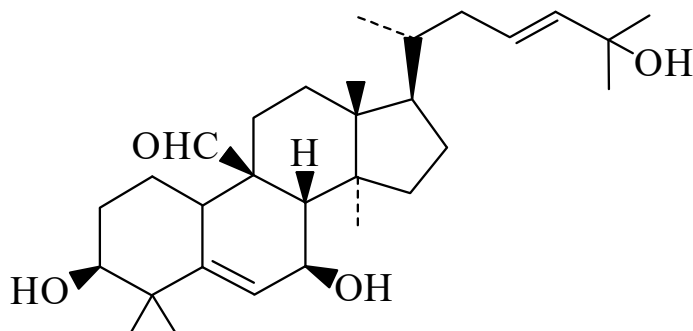




>>Entry Name: 3,7,25-Trihydroxycucurbita-5,23-dien-19-al

Synonym(s): 19-Oxocucurbita-5,23-diene-3,7,25-triol. 3,7,25-Trihydroxy-19-norlanosta-5,23-diene-9-carboxaldehyde



Molecular Formula: C₃₀H₄₈O₄

Molecular Weight: 472.707

Accurate Mass: 472.35526

Percentage Composition: C 76.23%; H 10.23%; O 13.54%

>>Variant: (3β,7β,23E)-form

Molecular Formula: C₃₀H₄₈O₄

Molecular Weight: 472.707

Accurate Mass: 472.35526

Percentage Composition: C 76.23%; H 10.23%; O 13.54%

Physical Description: Cryst.

Melting Point: Mp 190-193°

>>Derivative: 7-O-β-D-Glucopyranoside

Synonym(s): Momordicoside L

CAS Registry Number: 81348-83-6

Molecular Formula: C₃₆H₅₈O₉

Molecular Weight: 634.849

Accurate Mass: 634.408085

Percentage Composition: C 68.11%; H 9.21%; O 22.68%

Biological Source: Constit. of *Momordica charantia*

Physical Description: Cryst.

Melting Point: Mp 227-232°

Optical Rotation: [α]_D +57.3

>>Derivative: 7-O-β-D-Glucopyranoside, 25-O-Me

Synonym(s): Momordicoside K

CAS Registry Number: 81348-84-7

Molecular Formula: C₃₇H₆₀O₉

Molecular Weight: 648.876

Accurate Mass: 648.423735

Percentage Composition: C 68.49%; H 9.32%; O 22.19%

Biological Source: Constit. of *Momordica charantia*

Physical Description: Cryst.

Melting Point: Mp 236-237°

Optical Rotation: [α]_D +63.3

>>Derivative: 25-Me ether

Molecular Formula: C₃₁H₅₀O₄

Molecular Weight: 486.734

Accurate Mass: 486.37091

Percentage Composition: C 76.50%; H 10.35%; O 13.15%

Biological Source: Constit. of *Momordica charantia*

Physical Description: Amorph. powder

Optical Rotation: [α]_D²⁶ +48.9 (c, 0.45 in MeOH)

References: