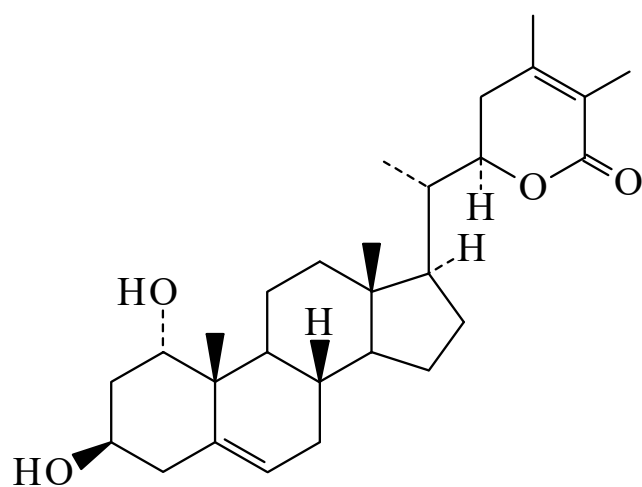




>>Entry Name: 1,3-Dihydroxy-5,24-withadienolide



Molecular Formula: C₂₈H₄₂O₄

Molecular Weight: 442.637

Accurate Mass: 442.30831

Percentage Composition: C 75.98%; H 9.56%; O 14.46%

>>Variant: (1 α ,3 β)-form

Type of Compound Code(s): VT1400 AJ1400

Molecular Formula: C₂₈H₄₂O₄

Molecular Weight: 442.637

Accurate Mass: 442.30831

Percentage Composition: C 75.98%; H 9.56%; O 14.46%

Biological Source: Constit. of *Dunalia australis*

Physical Description: Cryst. (CHCl₃/petrol)

Melting Point: Mp 117-119°

Optical Rotation: [α]_D²³ +36.1 (c, 0.18 in CHCl₃)

>>Derivative: 3-O-[β -D-Glucopyranosyl]-(1 $\rightarrow$ 6)- β -D-glucopyranoside]

CAS Registry Number: 256520-90-8

Type of Compound Code(s): VT1400

Molecular Formula: C₄₀H₆₂O₁₄

Molecular Weight: 766.921

Accurate Mass: 766.41396

Percentage Composition: C 62.65%; H 8.15%; O 29.21%

Biological Source: Constit. of *Withania somnifera*

Physical Description: Amorph. powder

>>Derivative: 1-Ac

Type of Compound Code(s): AJ1400 VT1400

Molecular Formula: C₃₀H₄₄O₅

Molecular Weight: 484.675

Accurate Mass: 484.318875

Percentage Composition: C 74.34%; H 9.15%; O 16.51%

Biological Source: Constit. of *Dunalia australis*

Physical Description: Amorph.

Optical Rotation: [α]_D²⁴ +58.8 (c, 0.17 in CHCl₃)

References:

Lischewski, M. *et al.*, *Phytochemistry*, 1991, **30**, 4184, (*isol*, *pmr*, *cmr*)

Kuroyanagi, M. *et al.*, *Chem. Pharm. Bull.*, 1999, **47**, 1646-1649, (*glycoside*)