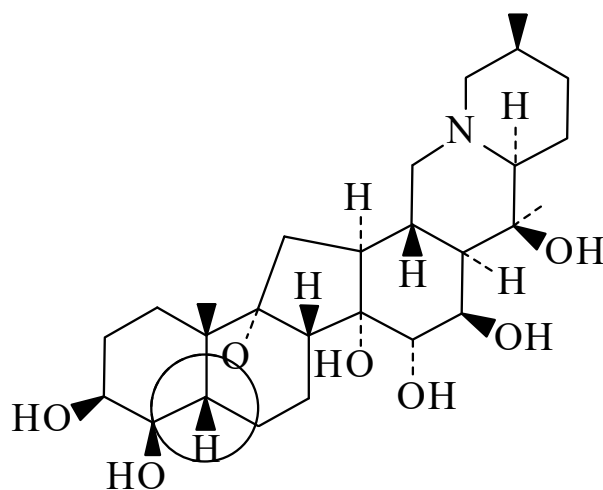




>>Entry Name: Zygadenine
Synonym(s): 7-Deoxygermine



Absolute
configuration

CAS Registry Number: 545-45-9

Molecular Formula: C₂₇H₄₃NO₇
Molecular Weight: 493.639
Accurate Mass: 493.303954
Percentage Composition: C 65.70%; H 8.78%; N 2.84%; O 22.69%
Biological Source: Alkaloid from *Zygadenus intermedius* and several other *Zygadenus* spp. (Liliaceae)
Use/Importance: Shows antitumour activity
Melting Point: Mp 218-220° (201-204°, 214°)
Optical Rotation: [α]_D²⁰ -48.4 (c, 1.26 in CHCl₃)

>>Derivative: Hydrochloride

Melting Point: Mp 231-234°

>>Derivative: O³-Ac
Synonym(s): Zygacine

CAS Registry Number: 2777-79-9

Molecular Formula: C₂₉H₄₅NO₈
Molecular Weight: 535.676
Accurate Mass: 535.314519
Percentage Composition: C 65.02%; H 8.47%; N 2.61%; O 23.89%
Biological Source: Alkaloid from *Veratrum album*, *Zygadenus paniculatus*, *Zygadenus venenosus* and *Zygadenus gramineus* (Liliaceae)
Physical Description: Noncryst.
Optical Rotation: [α]_D -22 (CHCl₃)

>>Derivative: O³-Angeloyl
Synonym(s): Angeloylzygadenine

CAS Registry Number: 67370-02-9

Molecular Formula: C₃₂H₄₉NO₈
Molecular Weight: 575.741
Accurate Mass: 575.345819
Percentage Composition: C 66.76%; H 8.58%; N 2.43%; O 22.23%
Biological Source: Alkaloid from *Veratrum stamineum* (Liliaceae)
Melting Point: Mp 222-224°
Optical Rotation: [α]_D -35 (CHCl₃)