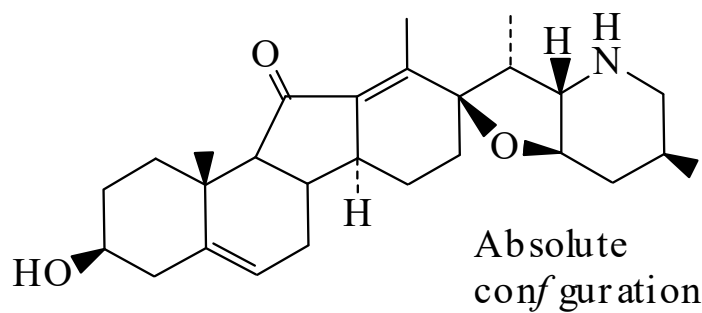




>>Entry Name: Jervine

Synonym(s): 17,23-Epoxy-3-hydroxyveratraman-11-one, 9Cl. Jervin-11-one



CAS Registry Number: 469-59-0

Molecular Formula: $C_{27}H_{39}NO_3$

Molecular Weight: 425.61

Accurate Mass: 425.292994

Percentage Composition: C 76.20%; H 9.24%; N 3.29%; O 11.28%

Biological Source: Alkaloid from *Veratrum album* var. *grandiflorum*, *Veratrum californicum*, several other *Veratrum* spp. and *Amianthium muscaetoxicum* (Liliaceae)

Use/Importance: Starting material for synth. of C-nor-D-homosteroids. Shows antibacterial activity. Severe teratogen responsible for cyclopic malformation in sheep grazing on *V.* spp. Antihypertensive agent

Melting Point: Mp 243-244°

Optical Rotation: $[\alpha]_D -147$ (EtOH)

UV: [neutral] λ_{max} 250 (ϵ 16400); 252 (ϵ 14000); 300 (ϵ 80); 360 (ϵ 70) (EtOH) (Berdy)

Hazard & Toxicity: LD₅₀ (mus, scu) 29 mg/kg. Exp. reprod. and teratogenic effects ; BERDY HAZD : LD₅₀ (mus, ivn) 9.3 mg/kg

Rare Chemicals Library: S39323-1

>>Derivative: Hydrochloride

Melting Point: Mp 308°

>>Derivative: O-Ac

Synonym(s): O-Acetyljervine

CAS Registry Number: 14788-78-4

Molecular Formula: $C_{29}H_{41}NO_4$

Molecular Weight: 467.647

Accurate Mass: 467.303559

Percentage Composition: C 74.48%; H 8.84%; N 3.00%; O 13.69%

Biological Source: Alkaloid from the leaves of *Veratrum album* (Liliaceae)

Physical Description: Powder

Melting Point: Mp 240°

Optical Rotation: $[\alpha]_D -120$ (MeOH)

Hazard & Toxicity: Exp. reprod. and teratogenic effects

>>Derivative: N-Methoxycarbonyl

Synonym(s): Verapatuline

Molecular Formula: $C_{29}H_{41}NO_5$

Molecular Weight: 483.647

Accurate Mass: 483.298474

Percentage Composition: C 72.02%; H 8.54%; N 2.90%; O 16.54%

Biological Source: Alkaloid from *Veratrum patulum*

Physical Description: Amorph. solid

Optical Rotation: $[\alpha]_D^{23} -49.9$ (c, 0.3 in EtOH)

UV: [neutral] λ_{max} 252 (log ϵ 4.25) (EtOH)

>>Derivative: N-(2-Methoxycarbonyl)ethyl

Synonym(s): Methyl jervine-N-3'-propanoate

CAS Registry Number: 132943-48-7