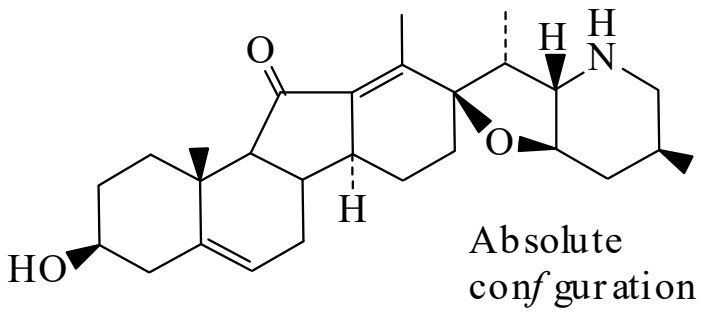
>>**Entry Name: Jervine**
Synonym(s): 17,23-Epoxy-3-hydroxyveratraman-11-one, 9Cl. Jervin-11-one



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: LD_{50} (mus, scu) 29 mg/kg. Exp. reprod. and teratogenic effects ; BERDY HAZD : LD_{50} (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-Methoxycarbonylethyl)
Synonym(s): Methyl jervine-*N*-3'-propanoate

CAS Registry Number: 132943-48-7