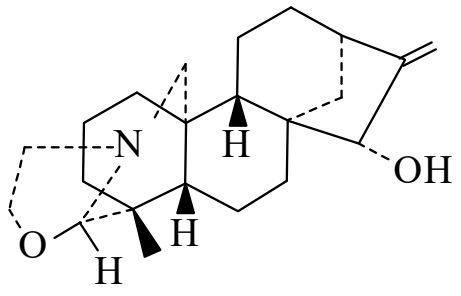
>>**Entry Name: Garryine,** 9CI



Absolute
conf guration

CAS Registry Number: 561-51-3

Molecular Formula: $C_{22}H_{33}NO_2$
Molecular Weight: 343.508
Accurate Mass: 343.251129
Percentage Composition: C 76.92%; H 9.68%; N 4.08%; O 9.32%
Biological Source: Alkaloid from the bark of *Garrya veatchii* (Garryaceae)
Melting Point: Mp 74-82° (hydrate)
Optical Rotation: $[\alpha]_D^{28}$ –84 (c, 1.4 in EtOH)

>>**Derivative:** Hydrochloride

Melting Point: Mp 251-252 dec., 263-268°°

>>**Derivative:** Hydrobromide

Melting Point: Mp 229-230 dec.°

>>**Derivative:** Hydroiodide

Melting Point: Mp 203-204 dec.°

>>**Derivative:** 15-Epimer
Synonym(s): Isogarryfoline. 15β-Garryine, 9CI. Isolaurifoline

CAS Registry Number: 467-92-5

Molecular Formula: $C_{22}H_{33}NO_2$
Molecular Weight: 343.508
Accurate Mass: 343.251129
Percentage Composition: C 76.92%; H 9.68%; N 4.08%; O 9.32%
Biological Source: Alkaloid from *Garrya laurifolia*. Also obt. by rearr. of Garryfoline in boiling MeOH(Garryaceae)
Physical Description: Cryst. (Me_2CO or hexane)
Melting Point: Mp 140-144°
Optical Rotation: $[\alpha]_D$ –57 ($CHCl_3$)
pKa Value: pK_a 8.6

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