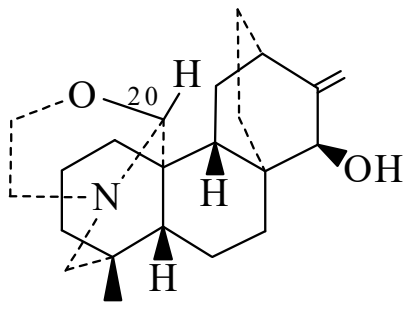
>>**Entry Name: Atisine,** 9CI
Synonym(s): Anthorine



Absolute
conf guration

CAS Registry Number: 466-43-3

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%
General Statement: Exists as a mixt. of C-20 epimers in soln.
Biological Source: Alkaloid from *Aconitum heterophyllum, Aconitum gigas, Aconitum anthara* and *Aconitum heterophylloides* (Ranunculaceae)
Physical Description: Resin
Optical Rotation: $[\alpha]_D$ –21 (c, 2.4 in EtOH). $[\alpha]_D$ –30.7 (EtOH)
pKa Value: pK_a 12.8 (50% MeOH)
Other Data: Undergoes a ready isomerisation of the oxazolidine ring to Isoatisine HGP61-C on treatment with methanolic alkali or even by boiling MeOH

>>**Derivative:** Hydrochloride
Synonym(s): Atisinium chloride. Guan-fu base H

CAS Registry Number: 4758-99-0
Melting Point: Mp 311-312 (303°) dec.°
Optical Rotation: $[\alpha]_D^{25}$+28 (c, 1.10 in H_2O)
Other Data: Exists as a quaternary iminium salt rather than a protonated ($^+$NH) salt

References:

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