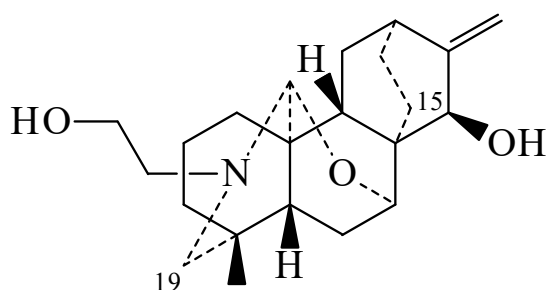




>>Entry Name: Ajaconine, 9Cl



Absolute
configuration

CAS Registry Number: 545-61-9

Molecular Formula: C₂₂H₃₃NO₃

Molecular Weight: 359.508

Accurate Mass: 359.246044

Percentage Composition: C 73.50%; H 9.25%; N 3.90%; O 13.35%

Biological Source: Alkaloid from *Delphinium virescens* and *Delphinium carolinianum* (whole plants), the roots of *Delphinium tatsienense*, and the seeds of *Delphinium consolida*, *Delphinium ajacis* and *Consolida ambigua* (Ranunculaceae). Also isol. from *Consolida oliveriana*

Melting Point: Mp 167°

Optical Rotation: [α]_D -122 (c, 1.75 in EtOH)

pKa Value: pK_{a1} 11.8 (50% MeOH aq.) pK_{a1} 11.3 (80% EtOH aq.)

>>Derivative: Sulfate (2:1)

Physical Description: Cryst. + 7H₂O (Me₂CO aq.)

Melting Point: Mp 113° (hydrate). Mp 231° (anhyd.)

>>Derivative: 15-Epimer

Synonym(s): 15-Epiajaconine. Deacetylspiramine F

Molecular Formula: C₂₂H₃₃NO₃

Molecular Weight: 359.508

Accurate Mass: 359.246044

Percentage Composition: C 73.50%; H 9.25%; N 3.90%; O 13.35%

Biological Source: Alkaloid from *Spiraea japonica* var. *ovalifolia*

Physical Description: Plates (Me₂CO)

Melting Point: Mp 149-151°

>>Derivative: 15-Epimer, 15-Ac

Synonym(s): Spiramine F

CAS Registry Number: 142750-37-6

Molecular Formula: C₂₄H₃₅NO₄

Molecular Weight: 401.545

Accurate Mass: 401.256609

Percentage Composition: C 71.79%; H 8.79%; N 3.49%; O 15.94%

Biological Source: Alkaloid from roots of *Spiraea japonica* var. *acuminata* (Rosaceae)

Physical Description: Amorph.

Optical Rotation: [α]_D¹⁸ -101 (c, 2.5 in CHCl₃)

>>Derivative: 15-Epimer, di-Ac

Synonym(s): Spiramine E

CAS Registry Number: 142750-36-5

Molecular Formula: C₂₆H₃₇NO₅

Molecular Weight: 443.582

Accurate Mass: 443.267174

Percentage Composition: C 70.40%; H 8.41%; N 3.16%; O 18.03%

Biological Source: Alkaloid from roots of *Spiraea japonica* var. *acuminata* (Rosaceae)

Physical Description: Amorph.

Optical Rotation: [α]_D²⁰ -97 (c, 1.9 in CHCl₃)