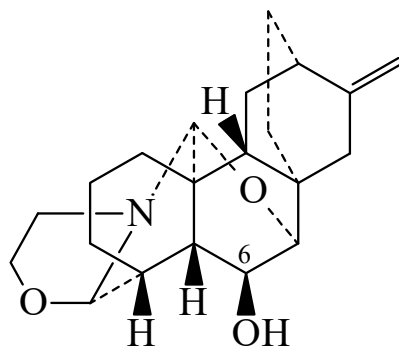




>>Entry Name: Spiradine G

Synonym(s): 15,23-Dideoxy-19,23-epoxy-6-hydroxyajaconine, 9Cl



CAS Registry Number: 21040-66-4

Molecular Formula: $C_{22}H_{31}NO_3$

Molecular Weight: 357.492

Accurate Mass: 357.230394

Percentage Composition: C 73.92%; H 8.74%; N 3.92%; O 13.43%

Biological Source: Alkaloid from *Spiraea japonica* (Rosaceae)

Melting Point: Mp 168-170°

Optical Rotation: $[\alpha]_D -137$ (c, 1.16 in MeOH)

pKa Value: pK_a 6.9 (50% MeOH aq.)

>>Derivative: 6-Ac

Synonym(s): Spiradine F

CAS Registry Number: 21040-64-2

Molecular Formula: $C_{24}H_{33}NO_4$

Molecular Weight: 399.529

Accurate Mass: 399.240959

Percentage Composition: C 72.15%; H 8.32%; N 3.51%; O 16.02%

Biological Source: Alkaloid from *Spiraea japonica* (Rosaceae)

>>Derivative: 6-Ac; hydrochloride

Melting Point: Mp 114-117°

References:

Toda, M. *et al.*, *Tet. Lett.*, 1968, 5565, (*isol, ir, pmr, struct*)