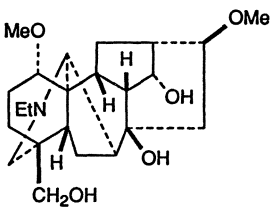
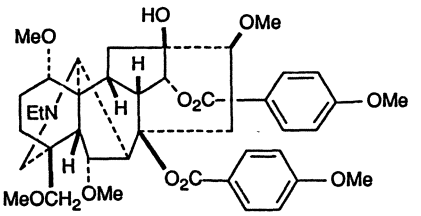
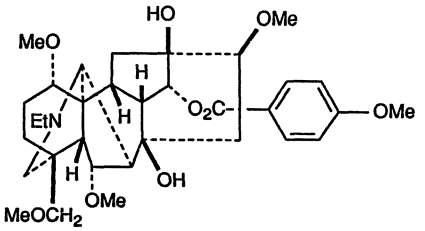


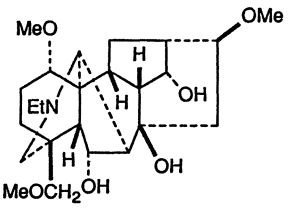
Cammaconine (*3-75*)



Liwaconitine (*3-76*)



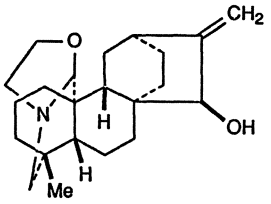
Forestine (*3-77*)



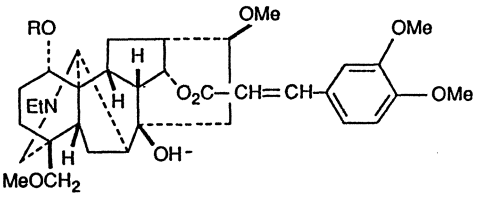
Foresticine (*3-78*)

3.2.3.19 *Aconitum gymnandrum*

Atisinium chloride [60], atisine (*3-79*), talatisamine, and two new alkaloids, gymnaconitine (*3-80*) and its 1-methyl analog methylgymnaconitine (*3-81*) [61], were isolated from *A. gymnandrum*. Gymnaconitine is the first *Aconitum* alkaloid to contain 3,4-*O*-dimethyl-caffeic acid ester.



Atisine (*3-79*)



Gymnaconitine (*3-80*): R = H
Methylgymnaconitine (*3-81*): R = CH_3

3.2.3.20 *Aconitum karakolicum*

Aconitine, deoxyaconitine, neoline, and songorine were isolated from *A. karakolicum*. The content of aconitine in the root of *A. karakolicum* was 0.49%, a large amount compared with other *Aconitum* species [62].

3.2.3.21 *Aconitum pseudogeniculatum*

From the roots of *A. pseudogeniculatum* six diterpene alkaloids were isolated and structurally identified: denudatine, chasmanine, talatisamine, yunaconitine, crassicauline A, and vilmorrianine C. Yunaconitine is the major alkaloid [63].

3.2.3.22 *Aconitum polyschistum*

Three new diterpene alkaloids, polyschistine A (*3-82*), B (*3-83*), and C (*3-84*), were isolated from *A. polyschistum*. The structures of these three new alkaloids were