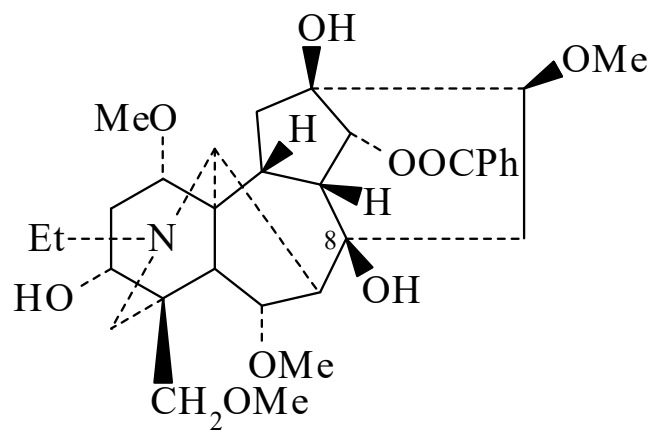




>>Entry Name: Ludaconitine



CAS Registry Number: 82144-72-7

Molecular Formula: $C_{32}H_{45}NO_9$

Molecular Weight: 587.709

Accurate Mass: 587.309434

Percentage Composition: C 65.40%; H 7.72%; N 2.38%; O 24.50%

Biological Source: Alkaloid from the roots of *Aconitum francheti* (Ranunculaceae)

>>Derivative: 8-Ac

Synonym(s): Indaconitine

CAS Registry Number: 4491-19-4

Molecular Formula: $C_{34}H_{47}NO_{10}$

Molecular Weight: 629.746

Accurate Mass: 629.319999

Percentage Composition: C 64.85%; H 7.52%; N 2.22%; O 25.41%

Biological Source: Alkaloid from roots of *Aconitum chasmanthum*, *Aconitum ferox*, *Aconitum falconeri*, *Aconitum franchetti* and *A. violaceum* (Ranunculaceae)

Physical Description: Cryst. (Et_2O)

Melting Point: Mp 200-203° (190-191°)

Optical Rotation: $[\alpha]_D +18.3$ (c, 2.0 in EtOH)

References:

- Dunstan, W.R. *et al.*, *J.C.S.*, 1905, **87**, 1620, (*isol*, *Indaconitine*)
Gilman, R.E. *et al.*, *Tet. Lett.*, 1962, 923, (*struct*, *Indaconitine*)
Miana, G.A. *et al.*, *Phytochemistry*, 1971, **10**, 3320, (*isol*, *ir*, *pmr*, *Indaconitine*)
Birnbaum, K.B. *et al.*, *Tet. Lett.*, 1971, 867, (*struct*)
Pelletier, S.W. *et al.*, *Heterocycles*, 1977, **7**, 327, (*cmr*)
Pelletier, S.W. *et al.*, *Phytochemistry*, 1977, **16**, 623, (*occur*)
Chen, D. *et al.*, *Zhongcaoyao*, 1982, **13**, 8; *CA*, **97**, 88655d