



>>Derivative: Hydrochloride

Melting Point: Mp 170-172 dec.°

Optical Rotation: $[\alpha]_D -31$ (H₂O)

>>Derivative: O³-Ac

Synonym(s): Flaconitine. 3-Acetylaconitine

CAS Registry Number: 77181-26-1

Molecular Formula: C₃₆H₄₉NO₁₂

Molecular Weight: 687.783

Accurate Mass: 687.325479

Percentage Composition: C 62.87%; H 7.18%; N 2.04%; O 27.91%

Biological Source: Alkaloid from the roots of *Aconitum flavum* and *Aconitum pendulum* (Ranunculaceae)

Melting Point: Mp 196-197°

Optical Rotation: $[\alpha]_D^{24} +18.6$ (c, 1 in CHCl₃)

References:

Przybylska, M. *et al.*, *Can. J. Chem.*, 1959, **37**, 1116; 1843, (*struct*)

Bachelor, F.W. *et al.*, *Tet. Lett.*, 1960, **No. 10**, 1, (*struct*)

Birnbaum, K.B. *et al.*, *Tet. Lett.*, 1971, 867, (*config, struct*)

Chang, X. *et al.*, *Yaoxue Xuebao*, 1981, **16**, 474; *CA*, **97**, 3590f, (*Flaconitine*)

Wang, H. *et al.*, *Heterocycles*, 1985, **23**, 803, (*Flaconitine, cmr*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, ADH750