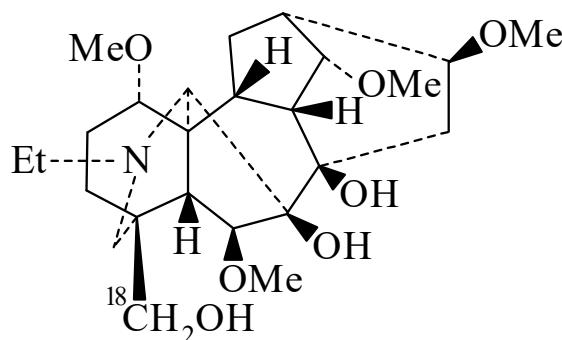




>>Entry Name: **Lycoctonine**

Synonym(s): Lycocotinine. Delsine. Royline



CAS Registry Number: 26000-17-9

Molecular Formula: C₂₅H₄₁NO₇

Molecular Weight: 467.601

Accurate Mass: 467.288304

Percentage Composition: C 64.22%; H 8.84%; N 3.00%; O 23.95%

Biological Source: Alkaloid from *Delphinium barbeyi*, *Delphinium tricornes*, *Inula royleana*, *Aconitum lycoctonum* and many other *Delphinium* and *Aconitum* spp. (Ranunculaceae, Compositae)

Melting Point: Mp 151-153°

Optical Rotation: $[\alpha]_D^{20} +50$ (+53) (EtOH)

>>Derivative: Hydrochloride

Melting Point: Mp 165°

>>Derivative: O¹⁸-Ac

Synonym(s): Tricornine

CAS Registry Number: 26871-60-3

Molecular Formula: C₂₇H₄₃NO₈

Molecular Weight: 509.639

Accurate Mass: 509.298869

Percentage Composition: C 63.63%; H 8.50%; N 2.75%; O 25.11%

Biological Source: Alkaloid from *Delphinium tricornes* (whole plant) (Ranunculaceae)

Melting Point: Mp 187-189 dec.°

Optical Rotation: $[\alpha]_D^{22} +47.3$ (c, 1.3 in EtOH)

>>Derivative: 18-O-(2-Aminobenzoyl)

Synonym(s): Anthranoyllycoctonine. Inuline‡

CAS Registry Number: 22413-78-1

Molecular Formula: C₃₂H₄₆N₂O₈

Molecular Weight: 586.724

Accurate Mass: 586.325418

Percentage Composition: C 65.51%; H 7.90%; N 4.77%; O 21.82%

Biological Source: Alkaloid from *Inula royleana*, *Delphinium consolida*, *Delphinium barbeyi*, *Delphinium elisabethae*, *Delphinium grandiflorum*, *Delphinium tamarae*, *Delphinium biternatum*, *Delphinium cashmirianum*, *Delphinium dictyocarpum*, *Delphinium glaucescens*, *Delphinium confusum*, *Consolida ambigua* (*Delphinium ajacis*), *Aconitum umbrosum* and others (Compositae, Ranunculaceae)

Physical Description: Amorph. solid

Melting Point: Mp 160-165° (132-135°, 145-154° dec.)

Optical Rotation: $[\alpha]_D^{20} +50.6$ (c, 0.67 in CHCl₃). $[\alpha]_D^{27} +51.2$ (c, 0.519 in EtOH)

>>Derivative: 18-O-(2-Aminobenzoyl), O⁶-de-Me

Synonym(s): Acoseptrinine. 6-Demethylanthranoyllycoctonine

CAS Registry Number: 146001-07-2