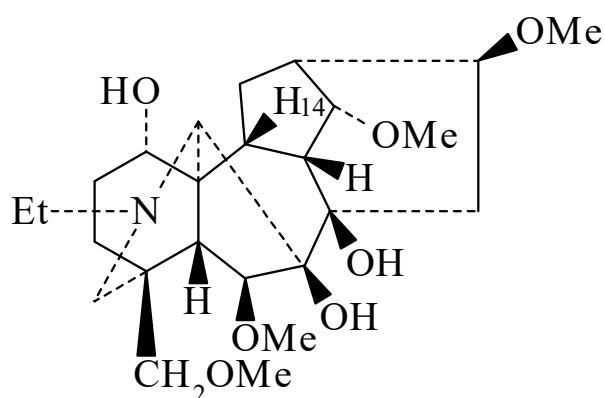




>>Entry Name: Delsoline

Synonym(s): Acomonine. 14-*O*-Methyldecosine. 18-*O*-Methylgigactonine



CAS Registry Number: 509-18-2

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 consolida*, *Delphinium orientale*, *Delphinium biternatum*, *Delphinium yunnanense*, *Aconitum finetianum*, *Aconitum monticola*, *Aconitum karakolicum*, *Consolida ambigua* (*Delphinium ajacis*) and others (Ranunculaceae)

Physical Description: Cryst. (MeOH)

Melting Point: Mp 212-213°

Optical Rotation: $[\alpha]_D^{24} +54.3$ (c, 1.0 in CHCl₃)

>>Derivative: *O*¹-Me

see Delphatine, [CDX29-O](#)

>>Derivative: *O*⁶-De-Me

Synonym(s): Excecoitine

Molecular Formula: C₂₄H₃₉NO₇

Molecular Weight: 453.575

Accurate Mass: 453.272654

Percentage Composition: C 63.55%; H 8.67%; N 3.09%; O 24.69%

Biological Source: Alkaloid from *Aconitum excelsum*

Physical Description: Cryst.

Melting Point: Mp 202-204°

>>Derivative: *O*⁶-De-Me, *O*⁶-Ac

Synonym(s): 6-*O*-Acetyl-14-*O*-methyldephinifoline

Molecular Formula: C₂₆H₄₁NO₈

Molecular Weight: 495.612

Accurate Mass: 495.283219

Percentage Composition: C 63.01%; H 8.34%; N 2.83%; O 25.83%

Biological Source: Alkaloid from the flowers of *Aconitum lycoctonum*

Physical Description: Oil

>>Derivative: *O*¹⁶-De-Me

Synonym(s): 16-*O*-Demethyldelsoline

Molecular Formula: C₂₄H₃₉NO₇

Molecular Weight: 453.575

Accurate Mass: 453.272654

Percentage Composition: C 63.55%; H 8.67%; N 3.09%; O 24.69%

Biological Source: Alkaloid from *Delphinium fangshanense*

Physical Description: Amorph. powder

Optical Rotation: $[\alpha]_D +41.5$ (c, 0.4 in CHCl₃)