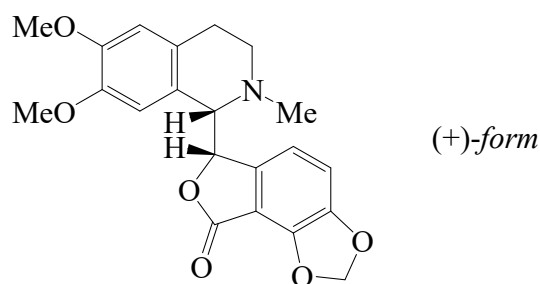




>>Entry Name: Adlumine
ENTRY UNDER REVIEW



Molecular Formula: C₂₁H₂₁NO₆
Molecular Weight: 383.4
Accurate Mass: 383.136889
Percentage Composition: C 65.79%; H 5.52%; N 3.65%; O 25.04%
General Statement: Diastereoisomer of Corlumine [CFS16-X](#)

>>Variant: (+)-form

CAS Registry Number: 524-46-9

Molecular Formula: C₂₁H₂₁NO₆
Molecular Weight: 383.4
Accurate Mass: 383.136889
Percentage Composition: C 65.79%; H 5.52%; N 3.65%; O 25.04%
Biological Source: Alkaloid from *Adlumia fungosa* (*Adlumia cirrhosa*) and *Fumaria rostellata* (Papaveraceae, Fumariaceae)
Melting Point: Mp 180°
Optical Rotation: [α]_D +42 (CHCl₃)

>>Variant: (–)-form

CAS Registry Number: 21414-43-7

Molecular Formula: C₂₁H₂₁NO₆
Molecular Weight: 383.4
Accurate Mass: 383.136889
Percentage Composition: C 65.79%; H 5.52%; N 3.65%; O 25.04%
Biological Source: Alkaloid from *Corydalis scouleri*, *Corydalis ophiocarpa*, *Corydalis rosea*, *Corydalis gortschakovii*, *Corydalis gigantea*, *Corydalis sempervirens*, *Fumaria kralikii*, *Fumaria parviflora* and *Fumaria vaillantii* (Fumariaceae)
Physical Description: Cryst. (CHCl₃ or CHCl₃/MeOH)
Melting Point: Mp 178-180°
Optical Rotation: [α]_D²⁰ –42 (c, 0.38 in CHCl₃). [α]_D²⁰ –51

>>Derivative: N-Me
Synonym(s): N-Methyladlumine

CAS Registry Number: 80550-26-1

Molecular Formula: C₂₂H₂₄NO₆⁽⁺⁾
Molecular Weight: 398.435
Accurate Mass: 398.160364
Percentage Composition: C 66.32%; H 6.07%; N 3.52%; O 24.09%
Biological Source: Quaternary alkaloid from *Fumaria vaillantii*
Physical Description: Cryst. (MeOH) (as iodide)
Melting Point: Mp 198-199° (iodide)
Optical Rotation: [α]_D –45 (c, 0.5 in MeOH) (iodide)