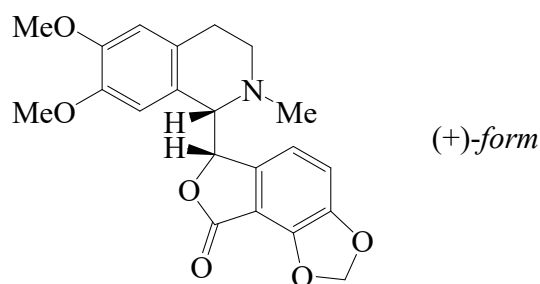




>>Entry Name: Adlumine  
ENTRY UNDER REVIEW



**Molecular Formula:** C<sub>21</sub>H<sub>21</sub>NO<sub>6</sub>  
**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:** C<sub>21</sub>H<sub>21</sub>NO<sub>6</sub>  
**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:** [ $\alpha$ ]<sub>D</sub> +42 (CHCl<sub>3</sub>)

>>Variant: (–)-form

**CAS Registry Number:** 21414-43-7

**Molecular Formula:** C<sub>21</sub>H<sub>21</sub>NO<sub>6</sub>  
**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. (CHCl<sub>3</sub> or CHCl<sub>3</sub>/MeOH)  
**Melting Point:** Mp 178-180°  
**Optical Rotation:** [ $\alpha$ ]<sub>D</sub><sup>20</sup> –42 (c, 0.38 in CHCl<sub>3</sub>). [ $\alpha$ ]<sub>D</sub><sup>20</sup> –51

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

**CAS Registry Number:** 80550-26-1

**Molecular Formula:** C<sub>22</sub>H<sub>24</sub>NO<sub>6</sub><sup>(+)</sup>  
**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:** [ $\alpha$ ]<sub>D</sub> –45 (c, 0.5 in MeOH) (iodide)