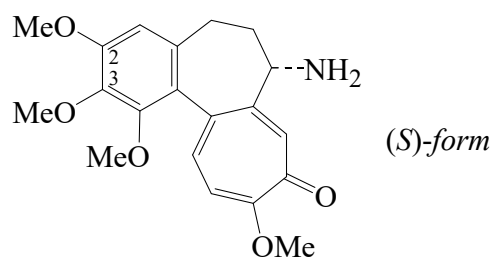




>>Entry Name: *N*-Deacetylcolchicine

Synonym(s): Desacetylcolchicine



Molecular Formula: C₂₀H₂₃NO₅

Molecular Weight: 357.405

Accurate Mass: 357.157624

Percentage Composition: C 67.21%; H 6.49%; N 3.92%; O 22.38%

>>Variant: (S)-form

CAS Registry Number: 3476-50-4

Extra CAS Registry Numbers(s): 102419-91-0

Molecular Formula: C₂₀H₂₃NO₅

Molecular Weight: 357.405

Accurate Mass: 357.157624

Percentage Composition: C 67.21%; H 6.49%; N 3.92%; O 22.38%

Biological Source: Alkaloid from *Kreysigia multiflora*

Biological Use/Importance: Antineoplastic agent

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 125-127°

Optical Rotation: [α]_D -148 (c, 1.1 in CHCl₃)

>>Derivative: Tartrate

Synonym(s): Cytostal. NSC 36354. NCI 1136. SKF 250

CAS Registry Number: 49720-72-1

Extra CAS Registry Numbers(s): 3145-41-3 27963-65-1 36191-19-2

Melting Point: Mp 242-244° (dec.)

Optical Rotation: [α]_D²² -176.2 (c, 0.9 in H₂O)

UV: [neutral] $\lambda_{\max}$ 245 (log ϵ 4.53); 353 (log ϵ 4.36) (no solvent reported)

>>Derivative: *N*-Formyl

Synonym(s): **Gloriosine.** *N*-Deacetyl-*N*-formylcolchicine. Substance B

CAS Registry Number: 7411-12-3

Molecular Formula: C₂₁H₂₃NO₆

Molecular Weight: 385.416

Accurate Mass: 385.152539

Percentage Composition: C 65.44%; H 6.01%; N 3.63%; O 24.91%

Biological Source: Alkaloid from *Androcymbium melanthioides*, *Bulbocodium vernum*, *Camptorrhiza strumosa*, *Colchicum autumnale* and several other *Colchicum* spp., *Gloriosa superba* and some other *Gloriosa* spp., *Iphigenia bechuanica*, *Iphigenia indica*, *Iphigenia pallida*, *Kreysigia multiflora*, *Littonia modesta*, *Merendera caucasica* and other *Merendera* spp., *Ornithoglossum glaucum* var. *grandiflorum*, *Ornithoglossum viride* and *Sandersonia aurantiaca* (Liliaceae)

Physical Description: Pale yellow cryst. (EtOAc/Et₂O)

Melting Point: Mp 264-267° (dec.)

Optical Rotation: [α]_D²² -171.2 (c, 1.0863 in CHCl₃)

>>Derivative: *N*-Formyl, *O*²-de-Me

Synonym(s): **2-Demethyl-*N*-deacetyl-*N*-formylcolchicine**

CAS Registry Number: 57866-22-5

Molecular Formula: C₂₀H₂₁NO₆

Molecular Weight: 371.389

Accurate Mass: 371.136889

Percentage Composition: C 64.68%; H 5.70%; N 3.77%; O 25.85%

Biological Source: Alkaloid from the leaves and flowers of *Colchicum autumnale* (Liliaceae)

Physical Description: Noncryst.