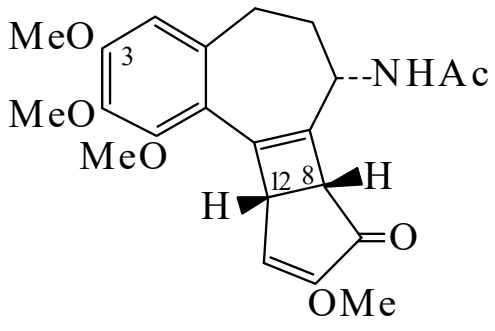
>>**Entry Name:** β-**Lumicolchicine**
Synonym(s): Lumicolchicine I. Substance I



CAS Registry Number: 6901-13-9

Molecular Formula: $C_{22}H_{25}NO_6$
Molecular Weight: 399.443
Accurate Mass: 399.168189
Percentage Composition: C 66.15%; H 6.31%; N 3.51%; O 24.03%
Biological Source: Alkaloid from many *Colchicum* spp. (Liliaceae) and other spp. as photoisom. prod. of Colchicine CFR10-M. May be a genuine alkaloid
Physical Description: Cryst. (EtOH/Et_2O)
Melting Point: Mp 183°. Mp 206° (dimorph.)
Sigma: L0635

>>**Derivative:** *N*-Me
Synonym(s): ***N*-Methyl-β-lumicolchicine**

Molecular Formula: $C_{23}H_{27}NO_6$
Molecular Weight: 413.469
Accurate Mass: 413.183839
Percentage Composition: C 66.81%; H 6.58%; N 3.39%; O 23.22%
Biological Source: Alkaloid from *Colchicum speciosum* (Liliaceae)
Melting Point: Mp 132-133°
Optical Rotation: $[\alpha]_D$ +410 ($CHCl_3$)

>>**Derivative:** *N*-De-Ac, *N*-formyl
Synonym(s): ***N*-Deacetyl-*N*-formyl-β-lumicolchicine,** 8Cl

CAS Registry Number: 18172-23-1

Molecular Formula: $C_{21}H_{23}NO_6$
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 tubers of *Gloriosa superba* (Liliaceae)
Melting Point: Mp 214-215°
Optical Rotation: $[\alpha]_D^{20}$+340 (c, 1 in $CHCl_3$)

>>**Derivative:** *N*-De-Ac, *N*-Me, *N*-(2-hydroxybenzyl)
Synonym(s): β-**Lumispeciosine**

Molecular Formula: $C_{28}H_{31}NO_6$
Molecular Weight: 477.556
Accurate Mass: 477.215139
Percentage Composition: C 70.42%; H 6.54%; N 2.93%; O 20.10%
Biological Source: Alkaloid from *Colchicum speciosum*
Physical Description: Cryst. (Me_2CO)
Melting Point: Mp 157-158°
Optical Rotation: $[\alpha]_D$ +132 ($CHCl_3$)
UV: [neutral] λ_{max} 226 (sh) (); 265 (); 340 ()

>>**Derivative:** *N*-De-Ac, *N*,*N*-di-Me
Synonym(s): ***N*-Deacetyl-*N*,*N*-dimethyl-β-lumicolchicine**