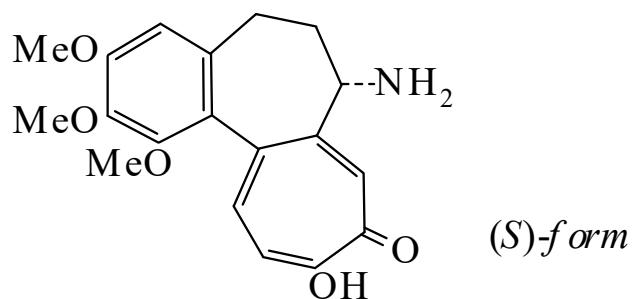




>>Entry Name: *N*-Deacetylcolchicine

Synonym(s): Desacetylcolchicine



Molecular Formula: C₁₉H₂₁NO₅

Molecular Weight: 343.379

Accurate Mass: 343.141974

Percentage Composition: C 66.46%; H 6.16%; N 4.08%; O 23.30%

>>Variant: (*R*)-form

Molecular Formula: C₁₉H₂₁NO₅

Molecular Weight: 343.379

Accurate Mass: 343.141974

Percentage Composition: C 66.46%; H 6.16%; N 4.08%; O 23.30%

Source/Synthesis: Obt. by resoln. of the racemate

Physical Description: Yellow needles + ½ H₂O (MeOH)

Melting Point: Mp 155°

Optical Rotation: [α]_D +185 (c, 1 in CHCl₃)

>>Variant: (*S*)-form

CAS Registry Number: 3482-37-9

Molecular Formula: C₁₉H₂₁NO₅

Molecular Weight: 343.379

Accurate Mass: 343.141974

Percentage Composition: C 66.46%; H 6.16%; N 4.08%; O 23.30%

Biological Source: Alkaloid from the above-ground parts of *Merendera robusta* (Liliaceae)

Physical Description: Cryst. + ½ H₂O (EtOH aq.)

Melting Point: Mp 155° (151-153°)

Optical Rotation: [α]_D −185 (c, 1 in CHCl₃)

Sigma: T8011

>>Derivative: *N*-Formyl

Physical Description: Pale-yellow prisms (MeOH aq.)

Melting Point: Mp 150-152°

Optical Rotation: [α]_D²⁴ −280.6 (c, 1.151 in CHCl₃)

Other Data: A double Mp, 150-152° and 172-215° has been reported for material cryst. from H₂O

>>Derivative: *N*-Me

see Demecolceine, [GNW54-X](#)

>>Variant: (±)-form

CAS Registry Number: 73307-44-5

Molecular Formula: C₁₉H₂₁NO₅

Molecular Weight: 343.379

Accurate Mass: 343.141974

Percentage Composition: C 66.46%; H 6.16%; N 4.08%; O 23.30%

Source/Synthesis: Synthetic

Physical Description: Yellow cryst. (EtOH)

Melting Point: Mp 244-246°

References: