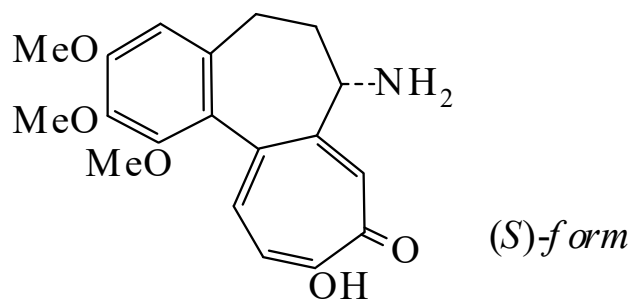




>>Entry Name: *N*-Deacetylcolchicine

Synonym(s): Desacetylcolchicine



**Molecular Formula:** C<sub>19</sub>H<sub>21</sub>NO<sub>5</sub>

**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:** C<sub>19</sub>H<sub>21</sub>NO<sub>5</sub>

**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 H<sub>2</sub>O (MeOH)

**Melting Point:** Mp 155°

**Optical Rotation:** [α]<sub>D</sub> +185 (c, 1 in CHCl<sub>3</sub>)

>>Variant: (*S*)-form

**CAS Registry Number:** 3482-37-9

**Molecular Formula:** C<sub>19</sub>H<sub>21</sub>NO<sub>5</sub>

**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 H<sub>2</sub>O (EtOH aq.)

**Melting Point:** Mp 155° (151-153°)

**Optical Rotation:** [α]<sub>D</sub> −185 (c, 1 in CHCl<sub>3</sub>)

**Sigma:** T8011

>>Derivative: *N*-Formyl

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

**Melting Point:** Mp 150-152°

**Optical Rotation:** [α]<sub>D</sub><sup>24</sup> −280.6 (c, 1.151 in CHCl<sub>3</sub>)

**Other Data:** A double Mp, 150-152° and 172-215° has been reported for material cryst. from H<sub>2</sub>O

>>Derivative: *N*-Me

see Demecolceine, [GNW54-X](#)

>>Variant: (±)-form

**CAS Registry Number:** 73307-44-5

**Molecular Formula:** C<sub>19</sub>H<sub>21</sub>NO<sub>5</sub>

**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:**