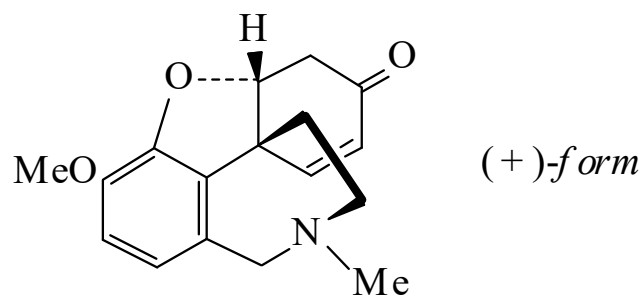




>>Entry Name: Narwedine

Synonym(s): Galanthaminone. Narvedine



**Molecular Formula:** C<sub>17</sub>H<sub>19</sub>NO<sub>3</sub>

**Molecular Weight:** 285.342

**Accurate Mass:** 285.136494

**Percentage Composition:** C 71.56%; H 6.71%; N 4.91%; O 16.82%

>>Variant: (+)-form

**CAS Registry Number:** 510-77-0

**Molecular Formula:** C<sub>17</sub>H<sub>19</sub>NO<sub>3</sub>

**Molecular Weight:** 285.342

**Accurate Mass:** 285.136494

**Percentage Composition:** C 71.56%; H 6.71%; N 4.91%; O 16.82%

**Biological Source:** Alkaloid from *Narcissus cyclamineus*, some other *Narcissus* spp. and from *Galanthus nivalis* (Amaryllidaceae)

**Physical Description:** Cryst. (C<sub>6</sub>H<sub>6</sub>)

**Melting Point:** Mp 189-192°

**Optical Rotation:** [α]<sub>D</sub> +405 (c, 1.0 in CHCl<sub>3</sub>)

**Other Data:** The isol. prod. has [α]<sub>D</sub> +100° and is extensively racemised. Rapid racemisation occurs in the presence of base.

>>Derivative: Picrate

**Melting Point:** Mp 123°

>>Derivative: Semicarbazone

**Melting Point:** Mp 240-241°

>>Variant: (–)-form

**Molecular Formula:** C<sub>17</sub>H<sub>19</sub>NO<sub>3</sub>

**Molecular Weight:** 285.342

**Accurate Mass:** 285.136494

**Percentage Composition:** C 71.56%; H 6.71%; N 4.91%; O 16.82%

**Source/Synthesis:** Synthetic

**Physical Description:** Cryst. (C<sub>6</sub>H<sub>6</sub>)

**Melting Point:** Mp 189-192°

**Optical Rotation:** [α]<sub>D</sub> –400 (c, 1 in CHCl<sub>3</sub>)

>>Variant: (±)-form

**CAS Registry Number:** 1668-86-6

**Molecular Formula:** C<sub>17</sub>H<sub>19</sub>NO<sub>3</sub>

**Molecular Weight:** 285.342

**Accurate Mass:** 285.136494

**Percentage Composition:** C 71.56%; H 6.71%; N 4.91%; O 16.82%

**Biological Source:** Synthetic or by racemisation of alkaloid. Also occurs naturally in *Narcissus kristalli* and *Ungernia victoris* (Amaryllidaceae)

**Melting Point:** Mp 187-190°

**References:**