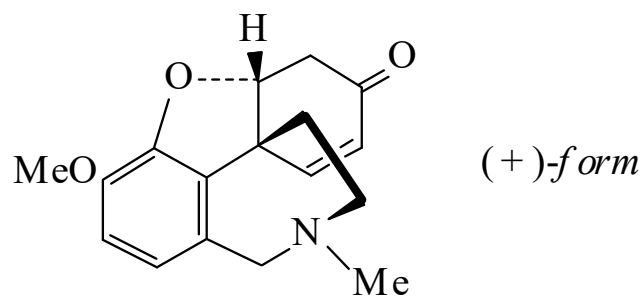




>>Entry Name: Narwedine

Synonym(s): Galanthaminone. Narvedine



Molecular Formula: C₁₇H₁₉NO₃

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: C₁₇H₁₉NO₃

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. (C₆H₆)

Melting Point: Mp 189-192°

Optical Rotation: [α]_D +405 (c, 1.0 in CHCl₃)

Other Data: The isol. prod. has [α]_D +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: C₁₇H₁₉NO₃

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. (C₆H₆)

Melting Point: Mp 189-192°

Optical Rotation: [α]_D –400 (c, 1 in CHCl₃)

>>Variant: (±)-form

CAS Registry Number: 1668-86-6

Molecular Formula: C₁₇H₁₉NO₃

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: