



Other Data: *N*-Demethylgalanthamine may be the plant constit.

>>Derivative: *N*-De-Me, *N*-(2-propenyl)

Synonym(s): *N*-Allylnorgalanthamine

Molecular Formula: C₁₉H₂₃NO₃

Molecular Weight: 313.396

Accurate Mass: 313.167794

Percentage Composition: C 72.82%; H 7.40%; N 4.47%; O 15.32%

Biological Source: Alkaloid from the bulbs of *Lycoris guangxiensis* (Amaryllidaceae)

Physical Description: Oil

>>Derivative: Me ether

Synonym(s): *O*-Methylgalanthamine

Molecular Formula: C₁₈H₂₃NO₃

Molecular Weight: 301.385

Accurate Mass: 301.167794

Percentage Composition: C 71.73%; H 7.69%; N 4.65%; O 15.93%

Biological Source: Alkaloid from *Chlidanthus fragrans* (Amaryllidaceae)

Physical Description: Oil

>>Derivative: Me ether; methiodide

Melting Point: Mp 272-273°

Optical Rotation: [α]_D -90 (c, 1.0 in MeOH)

>>Derivative: *O*-De-Me

see Sanguinine, [BCB98-K](#)

>>Derivative: 3-Ketone

see Narwedine, [CDS00-A](#)

>>Derivative: 1,2-Dihydro

Synonym(s): Lycoramine. Pseudohomolycorine

CAS Registry Number: 21133-52-8

Molecular Formula: C₁₇H₂₃NO₃

Molecular Weight: 289.374

Accurate Mass: 289.167794

Percentage Composition: C 70.56%; H 8.01%; N 4.84%; O 16.59%

Biological Source: Alkaloid from *Lycoris radiata*, *Crinum powellii*, and some other spp. in the Amaryllidaceae

Melting Point: Mp 120-121°

Optical Rotation: [α]_D²⁷ -98 (EtOH)

>>Derivative: 1,2-Dihydro; perchlorate

Melting Point: Mp 138-139°

>>Derivative: 1,2-Dihydro, *N*-oxide

Synonym(s): Lycoramine *N*-oxide

CAS Registry Number: 134306-21-1

Molecular Formula: C₁₇H₂₃NO₄

Molecular Weight: 305.373

Accurate Mass: 305.162709

Percentage Composition: C 66.86%; H 7.59%; N 4.59%; O 20.96%

Biological Source: Alkaloid from *Lycoris sanguinea* (Amaryllidaceae)

Physical Description: Powder

Optical Rotation: [α]_D -91.8 (MeOH)