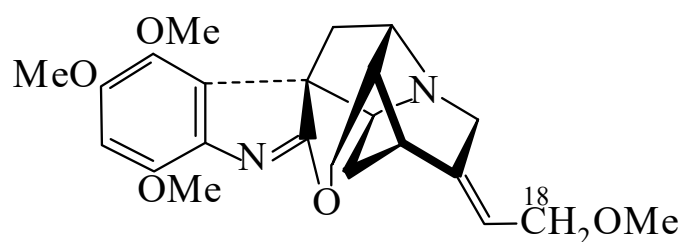




>>Entry Name: Gardneramine

Synonym(s): 1,2-Didehydro-2-deoxo-17-deoxy-2,17-epoxygardneramine oxindole, 9Cl



Absolute
configuration

CAS Registry Number: 34274-91-4

Molecular Formula: C₂₃H₂₈N₂O₅

Molecular Weight: 412.485

Accurate Mass: 412.199823

Percentage Composition: C 66.97%; H 6.84%; N 6.79%; O 19.39%

Biological Source: Alkaloid from *Gardneria nutans* (Strychnaceae)

Physical Description: Prisms (Et₂O)

Melting Point: Mp 134-135°

Optical Rotation: [α]_D -288

>>Derivative: Cyanobromide

Melting Point: Mp 214°

>>Derivative: N⁴-Oxide

Synonym(s): Gardneramine N⁴-oxide

CAS Registry Number: 64494-86-6

Molecular Formula: C₂₃H₂₈N₂O₆

Molecular Weight: 428.484

Accurate Mass: 428.194738

Percentage Composition: C 64.47%; H 6.59%; N 6.54%; O 22.40%

Biological Source: Alkaloid from *Gardneria multiflora* (Strychnaceae)

>>Derivative: O¹⁸-De-Me

Synonym(s): O¹⁸-Demethylgardneramine

CAS Registry Number: 32975-55-6

Molecular Formula: C₂₂H₂₆N₂O₅

Molecular Weight: 398.458

Accurate Mass: 398.184173

Percentage Composition: C 66.32%; H 6.58%; N 7.03%; O 20.08%

Biological Source: Alkaloid from *Gardneria multiflora*

>>Derivative: 18-Demethoxy, (19E)-isomer

Synonym(s): (19E)-18-Demethoxygardneramine

CAS Registry Number: 56246-54-9

Molecular Formula: C₂₂H₂₆N₂O₄

Molecular Weight: 382.458

Accurate Mass: 382.189258

Percentage Composition: C 69.09%; H 6.85%; N 7.32%; O 16.73%

Biological Source: Alkaloid from *Gardneria multiflora* (Strychnaceae)

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 160-161.5°

Optical Rotation: [α]_D -147

References:

Aimi, N. *et al.*, *Tet. Lett.*, 1971, 2061, (*cryst struct*)

Sakai, S. *et al.*, *Tet. Lett.*, 1971, 2057; *Chem. Pharm. Bull.*, 1975, **23**, 2805, (*uv, ir, pmr, ms, struct*)

Sakai, S. *et al.*, *Tet. Lett.*, 1975, 715, (*uv, ir, pmr, config, struct, deriv*)

Aimi, N. *et al.*, *Chem. Pharm. Bull.*, 1978, **26**, 3444, (*cmr*)