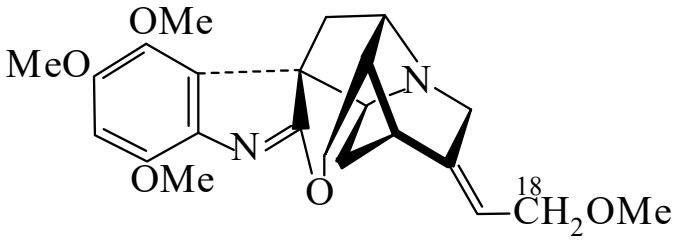
>>**Entry Name: Gardneramine**
Synonym(s): 1,2-Didehydro-2-deoxo-17-deoxy-2,17-epoxygardneramine oxindole, 9Cl



Absolute conformation

CAS Registry Number: 34274-91-4

Molecular Formula: $C_{23}H_{28}N_2O_5$
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 (Et_2O)
Melting Point: Mp 134-135°
Optical Rotation: $[\alpha]_D$ –288

>>**Derivative:** Cyanobromide

Melting Point: Mp 214°

>>**Derivative:** N^4-Oxide
Synonym(s): Gardneramine N^4-oxide

CAS Registry Number: 64494-86-6

Molecular Formula: $C_{23}H_{28}N_2O_6$
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:** O^{18}-De-Me
Synonym(s): O^{18}-Demethylgardneramine

CAS Registry Number: 32975-55-6

Molecular Formula: $C_{22}H_{26}N_2O_5$
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, (19*E*)-isomer
Synonym(s): (19*E*)-18-Demethoxygardneramine

CAS Registry Number: 56246-54-9

Molecular Formula: $C_{22}H_{26}N_2O_4$
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. (Me_2CO)
Melting Point: Mp 160-161.5°
Optical Rotation: $[\alpha]_D$ –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)*