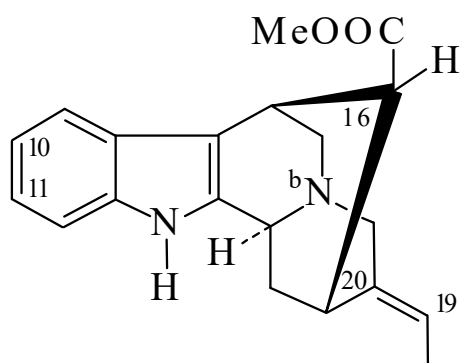




>>Entry Name: Pericyclivine

Synonym(s): Methyl sarpagan-17-oate, 9Cl



CAS Registry Number: 975-77-9

Molecular Formula: $C_{20}H_{22}N_2O_2$

Molecular Weight: 322.406

Accurate Mass: 322.168128

Percentage Composition: C 74.51%; H 6.88%; N 8.69%; O 9.93%

Biological Source: Alkaloid from *Tabernaemontana holstii*, *Tabernaemontana johnstonii*, *Vinca rosea*, *Catharanthus lanceus*, *Catharanthus ovalis*, *Catharanthus roseus*, *Hazunta modesta*, *Gabunia odoratissima* and *Rauwolfia cumminsii* (Apocynaceae)

Use/Importance: Shows weak cytotoxic activity vs. P-388 rat leukaemia cells

Physical Description: Needles (Me_2CO)

Melting Point: Mp 232-233° (226-228°)

Optical Rotation: $[\alpha]_D^{26} +5.2$ (c, 1.0 in $CHCl_3$). $[\alpha]_D +2.9$ ($CHCl_3$) (synthetic)

>>Derivative: 16-Epimer, N^l -Me

Synonym(s): *N*-Methyl-16-*epi*-pericyclivine

CAS Registry Number: 2912-15-4

Molecular Formula: $C_{21}H_{24}N_2O_2$

Molecular Weight: 336.433

Accurate Mass: 336.183778

Percentage Composition: C 74.97%; H 7.19%; N 8.33%; O 9.51%

Biological Source: Alkaloid from the leaves of *Alstonia undulata* (Apocynaceae)

Physical Description: Cryst. (MeOH)

Melting Point: Mp 231-232°

Other Data: $[\alpha]_D 0^\circ$ (c, 1 in $CHCl_3$)

>>Derivative: 16-Epimer, N^b -Me

Synonym(s): Alkaloid Q_3

CAS Registry Number: 80151-85-5

Molecular Formula: $C_{21}H_{25}N_2O_2^{(+)}$

Molecular Weight: 337.441

Accurate Mass: 337.191603

Percentage Composition: C 74.75%; H 7.47%; N 8.30%; O 9.48%

Biological Source: Quaternary alkaloid from *Aspidosperma peroba* (Apocynaceae)

Other Data: Tentative struct.

>>Derivative: 10-Hydroxy

Synonym(s): 10-Hydroxypericyclivine

CAS Registry Number: 132242-29-6

Molecular Formula: $C_{20}H_{22}N_2O_3$

Molecular Weight: 338.405

Accurate Mass: 338.163043

Percentage Composition: C 70.99%; H 6.55%; N 8.28%; O 14.18%

Biological Source: Alkaloid from the leaves of *Alstonia undulata* (Apocynaceae)