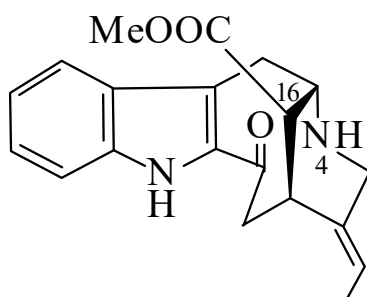




>>Entry Name: Perivine

Synonym(s): Methyl 4-demethyl-3-oxovobasan-17-oate, 9Cl



Absolute
configuration

CAS Registry Number: 2673-40-7

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 *Vinca rosea*, *Catharanthus longifolius*, *Gabunia eglandulosa* and several *Tabernaemontana* spp. (Apocynaceae)

Use/Importance: Antineoplastic agent. Mod. cytotoxic agent. Local anaesthetic potentiator

Melting Point: Mp 180-181°

Optical Rotation: $[\alpha]_D -121$ (c, 1 in $CHCl_3$)

Calculated Log P Data: Log P 1.97 (calc)

UV: [neutral] λ_{max} 314 (E1%/1cm 2.67) (MeOH) (Berdy)

>>Derivative: N^4 -Me

Synonym(s): Vobasine. Methyl 3-oxovobasan-17-oate, 9Cl

CAS Registry Number: 2134-83-0

Molecular Formula: $C_{21}H_{24}N_2O_3$

Molecular Weight: 352.432

Accurate Mass: 352.178693

Percentage Composition: C 71.57%; H 6.86%; N 7.95%; O 13.62%

Biological Source: Alkaloid from *Voacanga africana* and a wide range of spp. in the Apocynaceae

Use/Importance: Weak CNS depressant, also showing analgesic and antipyretic action

Melting Point: Mp 111-113°

Optical Rotation: $[\alpha]_D^{23} -158$ (c, 1 in $CHCl_3$)

>>Derivative: N^4 -Me; hydrochloride

Melting Point: Mp 245-248 dec.°

Optical Rotation: $[\alpha]_D^{22} -120$ (c, 1 in MeOH)

>>Derivative: N^4 -Formyl

Synonym(s): Periformyline. Methyl 3,22-dioxovobasan-17-oate, 9Cl

CAS Registry Number: 2779-18-2

Molecular Formula: $C_{21}H_{22}N_2O_4$

Molecular Weight: 366.416

Accurate Mass: 366.157958

Percentage Composition: C 68.84%; H 6.05%; N 7.65%; O 17.47%

Biological Source: Alkaloid from *Catharanthus lanceus* and *Catharanthus trichophyllus* (Apocynaceae)

Physical Description: Cryst. (MeOH)

Melting Point: Mp 206-209 dec.°

UV: [neutral] λ_{max} 240 (ϵ 16600); 315 (ϵ 20800) (EtOH) (Berdy)