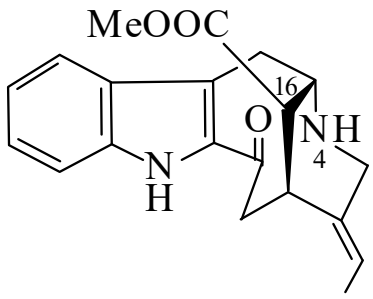
>>**Entry Name: Perivine**
Synonym(s): Methyl 4-demethyl-3-oxovobasan-17-oate, 9CI



Absolute
conformation

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, 9CI

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, 9CI

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)

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