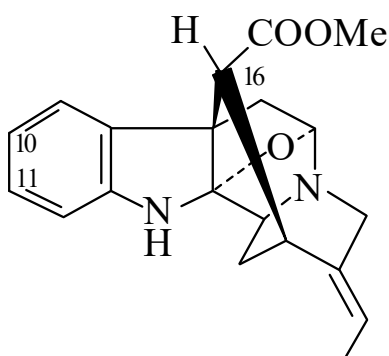




>>Entry Name: Picrinine

Synonym(s): Methyl 2,5-epoxy-1,2-dihydroakuammilan-17-oate, 9Cl. Deacetyldeformylpicraline. Vincaridine



CAS Registry Number: 4684-32-6

Related CAS Registry Numbers(s): 27501-23-1

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 *Alstonia scholaris*, *Alstonia macrophylla*, *Vinca minor*, *Vinca erecta*, *Vinca libanotica*, *Rauwolfia vomitoria*, *Rauwolfia cumminsii* and *Rauwolfia oreogiton* (Apocynaceae)

Physical Description: Needles (Me₂CO)

Melting Point: Mp 223-225 dec.°

Optical Rotation: $[\alpha]_D^{25} -44$ (CHCl₃)

pKa Value: pK_a 5.72 (EtOH aq.)

UV: [neutral] λ_{max} 237 (ϵ 7950); 287 (ϵ 4700) (EtOH) (Berdy)

>>Derivative: Picrate

Melting Point: Mp 172-174 dec.°

>>Derivative: Methiodide

Melting Point: Mp 235-237 dec.°

>>Derivative: 16-Epimer

Synonym(s): Picralstonine

CAS Registry Number: 38801-86-4

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 macrophylla* (Apocynaceae)

Physical Description: Granules (Me₂CO)

Melting Point: Mp 200°

Optical Rotation: $[\alpha]_D^{25} -90$ (CHCl₃)

>>Derivative: N^a-Me

Synonym(s): Ervincine

CAS Registry Number: 18223-72-8

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 *Vinca erecta* (Apocynaceae)

Melting Point: Mp 156-157°

Optical Rotation: $[\alpha]_D +93$ (c, 0.2 in CHCl₃)