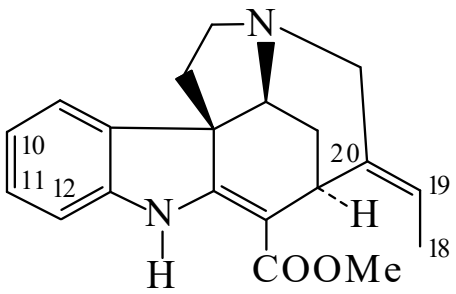
>>**Entry Name: Akuammicine**
Synonym(s): Methyl 2,16,19,20-tetradehydrocuran-17-oate, 9CI



(_)-*form*

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%

>>**Variant:** (+)-form

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%
Source/Synthesis: Obt. by resoln. of racemate
Melting Point: Mp 181-182.5°
Optical Rotation: $[\alpha]_D^{23}$+720 (c, 0.24 in MeOH)

>>**Variant:** (–)-form

CAS Registry Number: 639-43-0

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 *Picralima nitida (P. klaineana), Alstonia scholaris* and other *Alstonia* spp., several *Vinca* spp., *Rauwolfia volkensii*, seeds of *Hunteria congolana, Catharanthus microphyllus, Cabucala erythrocarpa* leaves, and *Pandaca ochrascens* (Apocynaceae)
Melting Point: Mp 177.5°
Optical Rotation: $[\alpha]_D^{19}$–738 ($CHCl_3$)
pKa Value: pK_a 7.45
UV: [neutral] λ_{max} 228 (ε 12300); 298 (ε 11800); 328 (ε 17400) (MeOH) (Berdy) [neutral] λ_{max} 227 (); 300 (); 330 () (EtOH) (Berdy)

>>**Derivative:** Hydrochloride

Melting Point: Mp 144° (hydrate). Mp 171° (anhyd.)

>>**Derivative:** Picrate

Melting Point: Mp 169°

>>**Derivative:** N^b-Oxide
Synonym(s): Akuammicine N^b-oxide

CAS Registry Number: 60048-86-4

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 *Alstonia scholaris* root, *Alstonia angustifolia* stem bark, *Rauwolfia* spp. and *Tabernaemontana* spp. (Apocynaceae)
Physical Description: Amorph. powder
Melting Point: Mp 200.7-200.8°
Optical Rotation: $[\alpha]_D^{22}$–624.5 (c, 0.55 in $CHCl_3$)

>>**Derivative:** N^b-Me
Synonym(s): Akuammicine N^b-methosalt

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