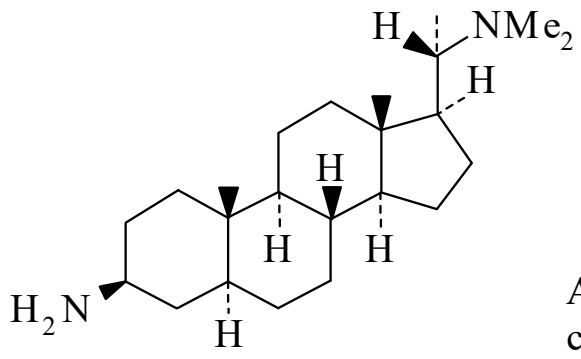
>>**Entry Name: Chonemorphine**
Synonym(s): 3β-Amino-20α-dimethylamino-5α-pregnane



Absolute conf guration

CAS Registry Number: 4282-07-9

Molecular Formula: $C_{23}H_{42}N_2$
Molecular Weight: 346.598
Accurate Mass: 346.334798
Percentage Composition: C 79.70%; H 12.21%; N 8.08%
Biological Source: Main alkaloid of *Chonemorpha macrophylla* (*Chonemorpha fragrans*), isol. from *Chonemorpha penangensis, Malouetia bequaertiana, Dictyophleba lucida* and *Funtumia latifolia* (Apocynaceae)
Melting Point: Mp 144-146°
Optical Rotation: $[\alpha]_D^{32}$+25 ($CHCl_3$)

>>**Derivative:** Hydrochloride (1:2)

Melting Point: Mp 318-320°

>>**Derivative:** Hydrobromide (1:2)

Melting Point: Mp 312-314°

>>**Derivative:** *N*-Formyl
Synonym(s): *N*-Formylchonemorphine

Molecular Formula: $C_{24}H_{42}N_2O$
Molecular Weight: 374.609
Accurate Mass: 374.329713
Percentage Composition: C 76.95%; H 11.30%; N 7.48%; O 4.27%
Biological Source: Alkaloid from *Chonemorpha macrophylla* (Apocynaceae) and *Sarcococca saligna* (Buxaceae)
Melting Point: Mp 289-291°
Optical Rotation: $[\alpha]_D^{25}$+25 (c, 0.05 in MeOH)

>>**Derivative:** *N*-Ac
Synonym(s): Sarcorine. *N*-Acetylchonemorphine

Molecular Formula: $C_{25}H_{44}N_2O$
Molecular Weight: 388.635
Accurate Mass: 388.345363
Percentage Composition: C 77.26%; H 11.41%; N 7.21%; O 4.12%
Biological Source: Alkaloid possibly from *Malouetia bequaertiana* (Apocynaceae) and from aerial parts of *Sarcococca saligna*
Physical Description: Cryst. (Me_2CO) (also descr. as an oil)
Melting Point: Mp 272°
Optical Rotation: $[\alpha]_D$ +14 (c, 1 in $CHCl_3$). $[\alpha]_D^{25}$+49 (c, 0.815 in $CHCl_3$) (Sarcorine)
Other Data: Sarcorine and the previously tentatively identified *N*-acetylchonemorphine are prob. identical but have not been compared.