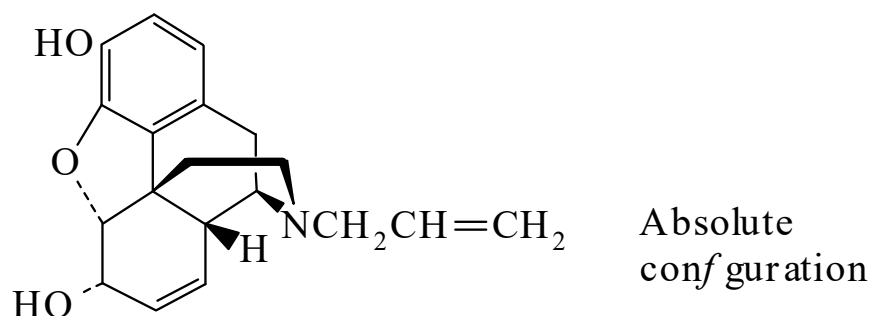




>>>**Entry Name:** Nalorphine, BAN, INN

Synonym(s): 7,8-Didehydro-4,5-epoxy-17-(2-propenyl)morphinan-3,6-diol, 9Cl. 17-Allyl-7,8-didehydro-4,5-epoxymorphinan-3,6-diol, 8Cl. *N*-Allylnormorphine. **Acetorphin**‡. Allorphine. Anarcon. Antorfin. Antorphin. Nalline. Nalorfin



CAS Registry Number: 62-67-9

Molecular Formula: C₁₉H₂₁NO₃

Molecular Weight: 311.38

Accurate Mass: 311.152144

Percentage Composition: C 73.29%; H 6.80%; N 4.50%; O 15.41%

Use/Importance: Opioid antagonist

Melting Point: Mp 208-209°

Optical Rotation: [α]_D²⁵ -155.3 (MeOH)

Solubility: Sol. dil. alkalis

Calculated Log P Data: Log P 0.82 (uncertain value) (calc)

Hazard & Toxicity: Adverse effects reported when used therapeutically (esp. CNS). LD₅₀ (mus, orl) 1140 mg/kg

>>>**Derivative:** Hydrobromide

Synonym(s): Lethidrone

CAS Registry Number: 1041-90-3

Melting Point: Mp 258-259 dec.°

Solubility: Sol. H₂O

>>>**Derivative:** Hydrochloride

Synonym(s): Nalorphine hydrochloride, USAN. Miromorfalil. Naline

CAS Registry Number: 57-29-4

Melting Point: Mp 260-263°

Solubility: Sol. H₂O

Hazard & Toxicity: Adverse effects reported when used therapeutically (esp. CNS). LD₅₀ (rat, orl) 1150 mg/kg. Exp. reprod. effects

Sigma: N0762

>>>**Derivative:** Di-*O*-Ac

Synonym(s): Diacetylnalorphine, BAN

CAS Registry Number: 2748-74-5

Molecular Formula: C₂₃H₂₅NO₅

Molecular Weight: 395.454

Accurate Mass: 395.173274

Percentage Composition: C 69.86%; H 6.37%; N 3.54%; O 20.23%

Use/Importance: Narcotic analgesic. Antidote

Physical Description: Rhombs. (EtOH)

Melting Point: Mp 134-135°

Calculated Log P Data: Log P 1.72 (uncertain value) (calc)

>>>**Derivative:** Di-*O*-Ac; hydrochloride

Physical Description: Needles (EtOH)

Melting Point: Mp 227-229°

>>>**Derivative:** Dinicotinoyl

Synonym(s): Nalorphine dinicotinate. Niconalorphine. Nimelan

CAS Registry Number: 3194-25-0