Synonym(s): ***N*-Formylnorephedrine**

Molecular Formula: $C_{10}H_{13}NO_2$
Molecular Weight: 179.218
Accurate Mass: 179.094629
Percentage Composition: C 67.02%; H 7.31%; N 7.82%; O 17.85%
Biological Source: Alkaloid from leaves of *Catha edulis* (Celastraceae)
Physical Description: Needles (Et_2O/hexane)
Melting Point: Mp 72-73°
Optical Rotation: $[\alpha]_D^{25}$ –45 (c, 1.1 in $CHCl_3$)

>>**Variant:** (1*RS*, 2*RS*)-form
Synonym(s): (±)-Nor-ψ-ephedrine

CAS Registry Number: 54680-46-5
Molecular Formula: $C_9H_{13}NO$
Molecular Weight: 151.208
Accurate Mass: 151.099714
Percentage Composition: C 71.49%; H 8.67%; N 9.26%; O 10.58%
Physical Description: Plates (petrol)
Melting Point: Mp 77°

>>**Derivative:** Hydrochloride

CAS Registry Number: 1485-15-0
Melting Point: Mp 172-173°

>>**Derivative:** *N*-Me
see 2-(Methylamino)-1-phenyl-1-propanol, BCJ45-G

>>**Variant:** (1*RS*,2*SR*)-form
Synonym(s): (±)-Norephedrine. **Phenylpropanolamine,** BAN, INN**.** Propadrine. Mydriatine

CAS Registry Number: 14838-15-4

Molecular Formula: $C_9H_{13}NO$
Molecular Weight: 151.208
Accurate Mass: 151.099714
Percentage Composition: C 71.49%; H 8.67%; N 9.26%; O 10.58%
Use/Importance: Adrenergic, vasoconstrictor. Nasal decongestant
Physical Description: Plates (H_2O)
Melting Point: Mp 104-105° (101-101.5°)
Calculated Log P Data: Log P 0.58 (calc)
Hazard & Toxicity: LD_{50} (rat, scu) 850 mg/kg

>>**Derivative:** Hydrochloride
Synonym(s): Phenylpropanolamine hydrochloride, USAN

CAS Registry Number: 154-41-6
Use/Importance: Nasal decongestant
Melting Point: Mp 194°
Solubility: Sol. H_2O
Other Data: Component of Allerest, Demazin, Dimetapp, Sinarest
Hazard & Toxicity: Hypertensive and CNS effects reported when used therapeutically. LD_{50} (rat, orl) 1490 mg/kg. Exp. teratogen

Aldrich: 13143-1
Fluka: 78955
Sigma: P7876

>>**Derivative:** Complex with sulfonated styrene/divinylbenzene copolymer
Synonym(s): Phenylpropanolamine polistirex, USAN

Use/Importance: Adrenergic, vasoconstrictor

>>**Derivative:** *N*-Me