



Physical Description: Columns (petrol)

Melting Point: Mp 57-58°

>>**Variant:** (4*RS*,6*RS*)-form

Synonym(s): (±)-β-form. (±)-*trans*-form

Molecular Formula: C₈H₁₇NO

Molecular Weight: 143.228

Accurate Mass: 143.131014

Percentage Composition: C 67.09%; H 11.96%; N 9.78%; O 11.17%

Physical Description: Prisms (C₆H₆)

Melting Point: Mp 160-161°

Solubility: Spar. sol. H₂O, Et₂O

pKa Value: p*K*_a 10.6

>>**Derivative:** *O*-Benzoyl

Synonym(s): (±)-Iso-β-eucaine

Physical Description: Syrup

>>**Derivative:** *O*-Benzoyl; hydrochloride

Physical Description: Silky needles or plates (H₂O)

Melting Point: Mp 269-271°

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

Molecular Formula: C₉H₁₉NO

Molecular Weight: 157.255

Accurate Mass: 157.146664

Percentage Composition: C 68.74%; H 12.18%; N 8.91%; O 10.17%

Physical Description: Prisms (petrol)

Melting Point: Mp 70-72°

Boiling Point: Bp₇₄₄ 220°

Solubility: V. sol. H₂O

>>**Variant:** (4*RS*,6*SR*)-form

Synonym(s): (±)-α-form

Molecular Formula: C₈H₁₇NO

Molecular Weight: 143.228

Accurate Mass: 143.131014

Percentage Composition: C 67.09%; H 11.96%; N 9.78%; O 11.17%

Physical Description: Cryst. (C₆H₆)

Melting Point: Mp 137-138°

Solubility: Sol. hot H₂O

pKa Value: p*K*_a 10

>>**Derivative:** *O*-Benzoyl

Synonym(s): β-**Eucaine**. Benzamine. Betacaine. Eucaine B. Betaeucaine

CAS Registry Number: 500-34-5

Molecular Formula: C₁₅H₂₁NO₂

Molecular Weight: 247.336

Accurate Mass: 247.157229

Percentage Composition: C 72.84%; H 8.56%; N 5.66%; O 12.94%

Use/Importance: Local anaesthetic

Physical Description: Plates (petrol)

Melting Point: Mp 70-71° (91°)

Calculated Log P Data: Log P 2.9 (calc)

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

Physical Description: Pale-yellow oil

Boiling Point: Bp 218-220°

Solubility: V. sol. H₂O