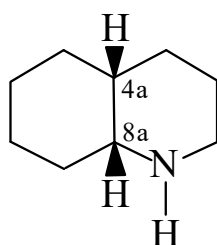




>>Entry Name: Decahydroquinoline, 9CI

Synonym(s): Perhydroquinoline. 2-Azabicyclo[4.4.0]decane



(4a*RS*,8a*RS*)-*form*

CAS Registry Number: 2051-28-7

Related CAS Registry Numbers(s): 64599-88-8

Molecular Formula: C₉H₁₇N

Molecular Weight: 139.24

Accurate Mass: 139.136099

Percentage Composition: C 77.64%; H 12.31%; N 10.06%

Aldrich: 12574-1

>>Variant: (4a*RS*,8a*RS*)-form

Synonym(s): (±)-*cis*-form

CAS Registry Number: 10343-99-4

Molecular Formula: C₉H₁₇N

Molecular Weight: 139.24

Accurate Mass: 139.136099

Percentage Composition: C 77.64%; H 12.31%; N 10.06%

Physical Description: Liq.

Melting Point: Mp -40°

Boiling Point: Bp 205-206°. Bp₂₀ 90°

Density: d₄²⁰ 0.942

Refractive Index: n_D²⁰ 1.4926

>>Derivative: Hydrochloride

Melting Point: Mp 231.5-233°

>>Derivative: *N*-Benzoyl

CAS Registry Number: 5710-04-3

Molecular Formula: C₁₆H₂₁NO

Molecular Weight: 243.348

Accurate Mass: 243.162314

Percentage Composition: C 78.97%; H 8.70%; N 5.76%; O 6.57%

Melting Point: Mp 96°

>>Derivative: Phenylurethane

Melting Point: Mp 163-165°

>>Derivative: *N*-Me

Synonym(s): Decahydro-1-methylquinoline

CAS Registry Number: 16726-25-3

Molecular Formula: C₁₀H₁₉N

Molecular Weight: 153.267

Accurate Mass: 153.151749

Percentage Composition: C 78.37%; H 12.49%; N 9.14%

Boiling Point: Bp 208.5-209.5°

>>Derivative: *N*-Me, picrate

Melting Point: Mp 199-200°