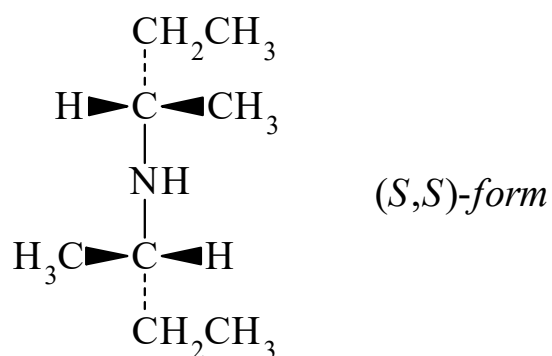




>>Entry Name: Di(2-butyl)amine

Synonym(s): *N*-(1-Methylpropyl)-2-butanamine, 9Cl. Di-*sec*-butylamine, 8Cl. 1,1'-Dimethyldipropylamine. 2,2'-Iminobisbutane



CAS Registry Number: 626-23-3

Molecular Formula: C₈H₁₉N

Molecular Weight: 129.245

Accurate Mass: 129.151749

Percentage Composition: C 74.35%; H 14.82%; N 10.84%

General Statement: Long known as diastereoisomeric mixtures. Prominence given here to the most recent preparation of pure diastereoisomers

Physical Description: Liq.

Boiling Point: Bp 132-134°

Solubility: V. sol. H₂O

Density: d₄⁰ 0.783

Hazard & Toxicity: Flammable, fl. p. 24°. Irritant

>>Variant: (*S,S*)-form

CAS Registry Number: 68852-54-0

Molecular Formula: C₈H₁₉N

Molecular Weight: 129.245

Accurate Mass: 129.151749

Percentage Composition: C 74.35%; H 14.82%; N 10.84%

>>Derivative: Hydrochloride

CAS Registry Number: 131491-40-2

Melting Point: Mp 176°

Optical Rotation: [α]_D²³ +3.42 (c, 10 in MeOH) (>=99% ee)

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

Synonym(s): *meso*-form

CAS Registry Number: 39056-20-7

Molecular Formula: C₈H₁₉N

Molecular Weight: 129.245

Accurate Mass: 129.151749

Percentage Composition: C 74.35%; H 14.82%; N 10.84%

>>Derivative: Hydrochloride

CAS Registry Number: 131565-41-8

Melting Point: Mp 122°

References:

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