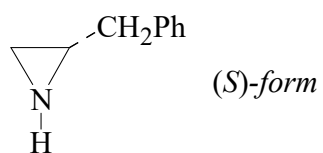




>>Entry Name: 2-Benzylaziridine

Synonym(s): 2-(Phenylmethyl)aziridine, 9CI



CAS Registry Number: 13906-90-6

Molecular Formula: $C_9H_{11}N$

Molecular Weight: 133.193

Accurate Mass: 133.089149

Percentage Composition: C 81.16%; H 8.32%; N 10.52%

>>Variant: (S)-form

CAS Registry Number: 73058-30-7

Molecular Formula: $C_9H_{11}N$

Molecular Weight: 133.193

Accurate Mass: 133.089149

Percentage Composition: C 81.16%; H 8.32%; N 10.52%

Boiling Point: Bp₁ 80° (air bath)

Optical Rotation: $[\alpha]_D^{24} -9.8$ (c, 1.95 in $CHCl_3$)

>>Derivative: N-(4-Methylbenzenesulfonyl)

Physical Description: Cryst. (pentane/EtOAc)

Melting Point: Mp 94-95°

Optical Rotation: $[\alpha]_D^{25} +17.8$ (c, 1.82 in $CHCl_3$)

>>Variant: (±)-form

Molecular Formula: $C_9H_{11}N$

Molecular Weight: 133.193

Accurate Mass: 133.089149

Percentage Composition: C 81.16%; H 8.32%; N 10.52%

Physical Description: Liq. with sharp odour

Boiling Point: Bp₂₂ 117.5-118.5°. Bp₁ 73-75°

Refractive Index: n_D^{20} 1.5431

References:

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Bates, G.S. *et al.*, *Can. J. Chem.*, 1980, **58**, 2562-2566, (*S-form*, *synth*, *ir*, *pmr*)

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