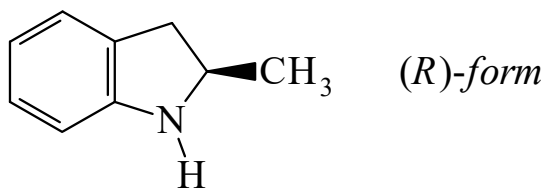




>>Entry Name: 2,3-Dihydro-2-methylindole, 9CI

Synonym(s): 2-Methylindoline



CAS Registry Number: 6872-06-6

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%

Aldrich: M5160-1

>>Variant: (*R*)-form

CAS Registry Number: 22160-13-0

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%

>>Derivative: *N*-Ac

Molecular Formula: $C_{11}H_{13}NO$

Molecular Weight: 175.23

Accurate Mass: 175.099714

Percentage Composition: C 75.40%; H 7.48%; N 7.99%; O 9.13%

Physical Description: Cryst. (petrol)

Melting Point: Mp 89°

Optical Rotation: $[\alpha]_D +59.6$ (EtOH)

>>Derivative: *N*-Benzoyl

Molecular Formula: $C_{16}H_{15}NO$

Molecular Weight: 237.301

Accurate Mass: 237.115364

Percentage Composition: C 80.98%; H 6.37%; N 5.90%; O 6.74%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 119°

Optical Rotation: $[\alpha]_D +37$ (EtOH)

>>Variant: (*S*)-form

CAS Registry Number: 22160-09-4

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 blue fluor.

Boiling Point: Bp 228-229°

Optical Rotation: $[\alpha]_D +7.2$ (EtOH). $[\alpha]_D -13.5$ (Et₂O). $[\alpha]_D +8.3$ (C₆H₆)

>>Derivative: Hydrochloride

Physical Description: Cryst. (C₆H₆)

Melting Point: Mp 58°

Optical Rotation: $[\alpha]_D +1.7$ (H₂O)

>>Derivative: *N*-Ac

Physical Description: Cryst. (petrol)

Melting Point: Mp 89°

Optical Rotation: $[\alpha]_D -61.9$ (EtOH)