



>>Entry Name: 1-(4-Methoxyphenyl)ethylamine

Synonym(s): 4-Methoxy- α -methylbenzenemethanamine, 9CI. *p*-Methoxy- α -methylbenzylamine

CAS Registry Number: 6298-96-0

Molecular Formula: C₉H₁₃NO

Molecular Weight: 151.208

Accurate Mass: 151.099714

Percentage Composition: C 71.49%; H 8.67%; N 9.26%; O 10.58%

>>Variant: (*R*)-form

CAS Registry Number: 22038-86-4

Molecular Formula: C₉H₁₃NO

Molecular Weight: 151.208

Accurate Mass: 151.099714

Percentage Composition: C 71.49%; H 8.67%; N 9.26%; O 10.58%

Optical Rotation: $[\alpha]_D^{25} +24.6$ (c, 1 in CHCl₃) (96% ee). $[\alpha]_D^{30} +25.2$ (c, 10.29 in EtOH) (lit. gives a temp. range)

Other: Celgene 5370-00

>>Derivative: (+)-Tartrate

Melting Point: Mp 163°

Optical Rotation: $[\alpha]_D^{20} +1.65$ (c, 5 in H₂O)

>>Derivative: *N*-Benzoyl

Molecular Formula: C₁₆H₁₇NO₂

Molecular Weight: 255.316

Accurate Mass: 255.125929

Percentage Composition: C 75.27%; H 6.71%; N 5.49%; O 12.53%

Melting Point: Mp 129°

Optical Rotation: $[\alpha]_D^{20} +0.8$ (c, 1 in EtOH)

>>Variant: (*S*)-form

CAS Registry Number: 41851-59-6

Molecular Formula: C₉H₁₃NO

Molecular Weight: 151.208

Accurate Mass: 151.099714

Percentage Composition: C 71.49%; H 8.67%; N 9.26%; O 10.58%

Optical Rotation: $[\alpha]_D^{30} -21.6$ (c, 10.35 in EtOH) (lit. gives a temp. range)

Other: Celgene 5371-00

>>Derivative: (+)-Tartrate

Optical Rotation: $[\alpha]_D^{20} +1.12$ (c, 5 in H₂O)

>>Derivative: *N*-Benzoyl

Molecular Formula: C₁₆H₁₇NO₂

Molecular Weight: 255.316

Accurate Mass: 255.125929

Percentage Composition: C 75.27%; H 6.71%; N 5.49%; O 12.53%

Melting Point: Mp 129°

Optical Rotation: $[\alpha]_D^{20} -0.74$ (c, 1 in EtOH)

>>Variant: ($\pm$)-form

CAS Registry Number: 35600-82-9

Molecular Formula: C₉H₁₃NO

Molecular Weight: 151.208

Accurate Mass: 151.099714

Percentage Composition: C 71.49%; H 8.67%; N 9.26%; O 10.58%

Physical Description: Liq.

Boiling Point: Bp₁₆ 125-126°. Bp_{0.2} 60°