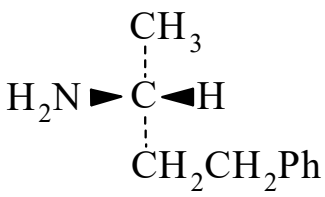
>>**Entry Name: 4-Phenyl-2-butylamine**

Synonym(s): α-Methylbenzenepropanamine, 9CI. 1-Methyl-3-phenylpropylamine, 8CI. 3-Amino-1-phenylbutane. γ-Aminobutylbenzene



(*R*)-*form*

CAS Registry Number: 22374-89-6

Molecular Formula: $C_{10}H_{15}N$
Molecular Weight: 149.235
Accurate Mass: 149.120449
Percentage Composition: C 80.48%; H 10.13%; N 9.39%

Aldrich: M7053-3
Fluka: 9200
Rare Chemicals Library: S40939-1

>>**Variant:** (*R*)-form

CAS Registry Number: 937-52-0
Molecular Formula: $C_{10}H_{15}N$
Molecular Weight: 149.235
Accurate Mass: 149.120449
Percentage Composition: C 80.48%; H 10.13%; N 9.39%
Optical Rotation: $[\alpha]_D$ –18 (c, 1 in cyclohexane)

>>**Derivative:** Hydrochloride

CAS Registry Number: 826-16-4
Melting Point: Mp 114-115°
Optical Rotation: $[\alpha]_D$ +13 (c, 1 in H_2O)

>>**Derivative:** N-Ac

CAS Registry Number: 22148-79-4
Molecular Formula: $C_{12}H_{17}NO$
Molecular Weight: 191.272
Accurate Mass: 191.131014
Percentage Composition: C 75.35%; H 8.96%; N 7.32%; O 8.36%
Melting Point: Mp 55°
Boiling Point: Bp_3 142-150°
Optical Rotation: $[\alpha]_D$ –7.12 (c, 0.7 in EtOH)

>>**Derivative:** N-Me

Molecular Formula: $C_{11}H_{17}N$
Molecular Weight: 163.262
Accurate Mass: 163.136099
Percentage Composition: C 80.93%; H 10.49%; N 8.58%
Optical Rotation: $[\alpha]_D$ –28 (c, 2 in cyclohexane)

>>**Derivative:** N,N-Di-Me

CAS Registry Number: 35066-87-6
Molecular Formula: $C_{12}H_{19}N$
Molecular Weight: 177.289
Accurate Mass: 177.151749
Percentage Composition: C 81.30%; H 10.80%; N 7.90%
Optical Rotation: $[\alpha]_D$ –28 (c, 2 in cyclohexane)