



>>Entry Name: *N*-Benzylaniline

Synonym(s): *N*-Phenylbenzenemethanamine, 9Cl. *N*-Phenylbenzylamine, 8Cl

CAS Registry Number: 103-32-2

PhNHCH<sub>2</sub>Ph

Molecular Formula: C<sub>13</sub>H<sub>13</sub>N

Molecular Weight: 183.252

Accurate Mass: 183.104799

Percentage Composition: C 85.21%; H 7.15%; N 7.64%

Use/Importance: Catalyst in cross-linking reactions. Used in extraction-separation of Ga, In, Tl(*III*), Mo, Re, Th, U

Physical Description: Granules (petrol)

Melting Point: Mp 37-39°

Boiling Point: Bp 306-307°. Bp<sub>37</sub> 201-203°

pKa Value: p*K*<sub>a</sub> 4.04 (25°)

Aldrich: 12893-7

>>Derivative: Hydrochloride

CAS Registry Number: 2290-89-3

Melting Point: Mp 214-216°

Rare Chemicals Library: S83657-5

>>Derivative: *N*-Ac

CAS Registry Number: 6840-29-5

Molecular Formula: C<sub>15</sub>H<sub>15</sub>NO

Molecular Weight: 225.29

Accurate Mass: 225.115364

Percentage Composition: C 79.97%; H 6.71%; N 6.22%; O 7.10%

Melting Point: Mp 58°

>>Derivative: *N*-Benzoyl

CAS Registry Number: 19672-91-4

Molecular Formula: C<sub>20</sub>H<sub>17</sub>NO

Molecular Weight: 287.36

Accurate Mass: 287.131014

Percentage Composition: C 83.60%; H 5.96%; N 4.87%; O 5.57%

Melting Point: Mp 107°

Rare Chemicals Library: S51368-7

>>Derivative: *N*-Me

Synonym(s): *N*-Benzyl-*N*-methylaniline

CAS Registry Number: 614-30-2

Molecular Formula: C<sub>14</sub>H<sub>15</sub>N

Molecular Weight: 197.279

Accurate Mass: 197.120449

Percentage Composition: C 85.24%; H 7.66%; N 7.10%

Use/Importance: Intermed. for triphenylmethane dyes

Melting Point: Mp 37°

Boiling Point: Bp 305-306°. Bp<sub>60</sub> 210°

Solubility: Insol. H<sub>2</sub>O

>>Derivative: *N*-Me, picrate

Melting Point: Mp 109° (103-103.5°)