



>>Entry Name: **Dibenzylamine**, 8Cl

Synonym(s): *N*-(Phenylmethyl)benzenemethanamine, 9Cl

CAS Registry Number: 103-49-1

Related CAS Registry Numbers(s): 5441-24-7

PhCH₂NHCH₂Ph

Molecular Formula: C₁₄H₁₅N

Molecular Weight: 197.279

Accurate Mass: 197.120449

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

Use/Importance: Corrosion inhibitor, antioxidant. Used in detn. of Co, Fe, CN⁽⁻⁾

Physical Description: Oil

Melting Point: Mp -26°

Boiling Point: Bp₂₅₀ 270°

Solubility: Sol. EtOH, Et₂O; insol. H₂O

Hazard & Toxicity: Fl. p. >68°. Corrosive to skin and eyes

Aldrich: D3410-8

Fluka: 33680

>>Derivative: *N*-Me

Synonym(s): *N*-Methyldibenzylamine. *N*-Methyl-*N*-(phenylmethyl)benzenemethanamine, 9Cl. **Dibemethine**. Revoxyl. L566

CAS Registry Number: 102-05-6

Molecular Formula: C₁₅H₁₇N

Molecular Weight: 211.306

Accurate Mass: 211.136099

Percentage Composition: C 85.26%; H 8.11%; N 6.63%

Use/Importance: Analgesic

Physical Description: Liq.

Boiling Point: Bp₁ 143°. Bp_{0.7} 125°

Calculated Log P Data: Log P 3.22 (uncertain value) (calc)

Rare Chemicals Library: S36014-7

>>Derivative: *N*-Me; methiodide

Physical Description: Cryst.

Melting Point: Mp 189-191°

>>Derivative: *N*-Ph

Synonym(s): *N*-Phenyl-*N*-(phenylmethyl)benzenemethanamine, 9Cl. *N,N*-Dibenzylaniline

CAS Registry Number: 91-73-6

Molecular Formula: C₂₀H₁₉N

Molecular Weight: 273.377

Accurate Mass: 273.151749

Percentage Composition: C 87.87%; H 7.01%; N 5.12%

Physical Description: Prisms (EtOH)

Melting Point: Mp 71-72°

Rare Chemicals Library: S42707-1

References: