



>>Entry Name: 2,4'-Diaminodiphenylmethane

Synonym(s): 2-[(4-Aminophenyl)methyl]benzenamine, 9CI. 2,4'-Methylenedianiline, 8CI

CAS Registry Number: 1208-52-2

Molecular Formula: C₁₃H₁₄N₂

Molecular Weight: 198.267

Accurate Mass: 198.115698

Percentage Composition: C 78.75%; H 7.12%; N 14.13%

Use/Importance: Urethane polymer intermediate

Physical Description: Leaflets (C₆H₆)

Melting Point: Mp 88-89°

Boiling Point: Bp₉ 222°

Hazard & Toxicity: LD₅₀ (rat, scu) 3300 mg/kg

>>Derivative: 2,4'-Di-Ac

Molecular Formula: C₁₇H₁₈N₂O₂

Molecular Weight: 282.341

Accurate Mass: 282.136828

Percentage Composition: C 72.32%; H 6.43%; N 9.92%; O 11.33%

Physical Description: Leaflets (EtOH) or rectangular plates

Melting Point: Mp 224-225°

References:

King, H., *J.C.S.*, 1920, **117**, 991

Ger. Pat., 1971, 2 034 713; *CA*, **74**, 64882, (*manuf*)

Bell, V.L. *et al.*, *J. Polym. Sci., Polym. Chem. Ed.*, 1976, **14**, 2275, (*synth*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, MJP750