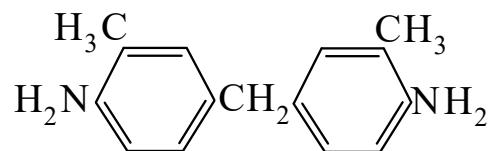




>>Entry Name: 4,4'-Diamino-3,3'-dimethyldiphenylmethane

Synonym(s): 4,4'-Methylenebis[2-methylbenzenamine], 9CI. Methylenedi-*o*-toluidine, 8CI. 4,4'-Methylenebis[2-methylaniline]. Bis(4-amino-3-methylphenyl)methane. Kayabond C100. Kayahard MDT



CAS Registry Number: 838-88-0

Molecular Formula: C₁₅H₁₈N₂

Molecular Weight: 226.321

Accurate Mass: 226.146998

Percentage Composition: C 79.61%; H 8.02%; N 12.38%

Use/Importance: Dye intermed.

Physical Description: Pale amber cryst. (EtOH)

Melting Point: Mp 158-159°

Hazard & Toxicity: Possible human carcinogen. Eye irritant. Exp. carcinogen

References:

Scanlan, J.T., *J.A.C.S.*, 1935, **57**, 887-892, (*synth*)

Fedotova, O.Ya. *et al.*, *Zh. Obshch. Khim.*, 1957, **27**, 775; *CA*, **51**, 16369i, (*synth*)

IARC Monog., 1974, **4**, 73; *Suppl.* 7, 248; *Suppl.* 6, 394, (*rev, tox*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, MJO250