



>>Entry Name: 4'-Amino-2,3'-dimethylazobenzene

Synonym(s): 2-Methyl-4-[(2-methylphenyl)azo]benzenamine, 9Cl. 4-(*o*-Tolylazo)-*o*-toluidine, 8Cl. *o*-Aminoazotoluene. Toluazotoluidine. Solvent yellow 3

CAS Registry Number: 97-56-3

Molecular Formula: C<sub>14</sub>H<sub>15</sub>N<sub>3</sub>

Molecular Weight: 225.293

Accurate Mass: 225.126597

Percentage Composition: C 74.64%; H 6.71%; N 18.65%

Use/Importance: Immunosuppressant

Physical Description: Yellow leaflets (EtOH)

Melting Point: Mp 100°

Hazard & Toxicity: Possible human carcinogen. Exp. carcinogen and teratogen

Aldrich: 12156-8

Rare Chemicals Library: S41251-1

Sigma: F8504

#### References:

*Aldrich Library of FT-IR Spectra*, 1st edn., 1985, **2**, 956C, (*ir*)

*Sigma-Aldrich Library of Stains, Dyes and Indicators*, 342

Dolinsky, M. *et al.*, *J. Assoc. Off. Agric. Chem.*, 1954, **37**, 197, (*ir*)

Sawicki, E., *J.O.C.*, 1956, **21**, 605, (*tautom*)

Kurosaki, S. *et al.*, *Acta Cryst. B*, 1976, **32**, 3160, (*struct*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, AIC250