



>>Entry Name: *N,N'*-Bis(4-methylphenyl)thiourea, 9CI

Synonym(s): 4,4'-Dimethylthiocarbanilide, 8CI. 1,3-Di-*p*-tolylthiourea

CAS Registry Number: 621-01-2

Molecular Formula: C₁₅H₁₆N₂S

Molecular Weight: 256.371

Accurate Mass: 256.103418

Percentage Composition: C 70.28%; H 6.29%; N 10.93%; S 12.51%

Use/Importance: Corrosion inhibitor for iron

Melting Point: Mp 178°

Hazard & Toxicity: LD₅₀ (mus, ipr) 400 mg/kg

Aldrich: 13109-1

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 1476A, (*nmr*)

Aldrich Library of Infrared Spectra, 3rd edn., 1981, 1108E, (*ir*)

Dyson, G.M. *et al.*, *J.C.S.*, 1924, **125**, 1704, (*synth*)

Alper, H., *Inorg. Chem.*, 1974, **13**, 225, (*ir*)