



>>Entry Name: (3-Methylphenyl)hydrazine, 9Cl

Synonym(s): *m*-Tolylhydrazine, 8Cl. *m*-Hydrazinotoluene

CAS Registry Number: 536-89-0

Molecular Formula: C₇H₁₀N₂

Molecular Weight: 122.169

Accurate Mass: 122.084398

Percentage Composition: C 68.82%; H 8.25%; N 22.93%

Physical Description: Oil

Boiling Point: Bp 240-244°

pKa Value: pK_a 5.32 (25°)

>>Derivative: Hydrochloride

CAS Registry Number: 637-04-7

Melting Point: Mp 184-194 dec.°

Hazard & Toxicity: Irritant

Aldrich: T4040-1

Fluka: 90110

>>Derivative: Hydrochloride (2:1)

CAS Registry Number: 51516-97-3

Physical Description: Cryst. (2-propanol)

Melting Point: Mp 168-170°

>>Derivative: 2-*N*-Ph

References:

Davies, G.L. *et al.*, *J.C.S.*, 1956, 4397

Solomon, S. *et al.*, *J.A.C.S.*, 1957, **79**, 4104, (*synth*)

Chekushin, S.I. *et al.*, *Opt. Spektrosk.*, 1973, **35**, 990; *CA*, **80**, 54041, (*ir*)

Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th edn., Van Nostrand Reinhold, 1979, 1037