



>>Entry Name: 2,4,5-Trimethylaniline

Synonym(s): 2,4,5-Trimethylbenzenamine, 9Cl. ψ -Cumidine. Pseudocumidine

CAS Registry Number: 137-17-7

Molecular Formula: $C_9H_{13}N$

Molecular Weight: 135.208

Accurate Mass: 135.104799

Percentage Composition: C 79.95%; H 9.69%; N 10.36%

Physical Description: Needles (H_2O)

Melting Point: Mp 68°

Boiling Point: Bp 234-235°

Hazard & Toxicity: LD₅₀ (rat, orl) 1250 mg/kg. Exp. carcinogen

Rare Chemicals Library: S43996-7

>>Derivative: N-Ac

Molecular Formula: $C_{11}H_{15}NO$

Molecular Weight: 177.246

Accurate Mass: 177.115364

Percentage Composition: C 74.54%; H 8.53%; N 7.90%; O 9.03%

Physical Description: Needles (EtOH aq.)

Melting Point: Mp 165-166°

>>Derivative: N-Di-Ac

Molecular Formula: $C_{13}H_{17}NO_2$

Molecular Weight: 219.283

Accurate Mass: 219.125929

Percentage Composition: C 71.21%; H 7.81%; N 6.39%; O 14.59%

Melting Point: Mp 59.5°

References:

Hoffmann, A., *Ber.*, 1882, **15**, 2895, (*synth*)

Noelting, E. *et al.*, *Ber.*, 1885, **18**, 2668, (*synth*)

Dolinsky, M. *et al.*, *J. Assoc. Off. Agric. Chem.*, 1959, **42**, 709, (*synth, ir*)

IARC Monog., 1982, **27**, 177; *Suppl.* 7, 73, (*rev, tox*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, TLG250