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>>Entry Name: (3,4-Dimethylphenyl)hydrazine, 9CI

Synonym(s): 3,4-Xylylhydrazine

CAS Registry Number: 13636-53-8

Related CAS Registry Numbers(s): 86746-50-1

Structure by analogy with (2,3-Dimethylphenyl)hydrazine, [MZT33-V](#)

Molecular Formula: C<sub>8</sub>H<sub>12</sub>N<sub>2</sub>

Molecular Weight: 136.196

Accurate Mass: 136.100048

Percentage Composition: C 70.55%; H 8.88%; N 20.57%

Physical Description: Yellow needles (Et<sub>2</sub>O)

Melting Point: Mp 57°

>>Derivative: Hydrochloride

CAS Registry Number: 60481-51-8

Physical Description: Cryst. (H<sub>2</sub>O)

Melting Point: Mp 197 dec.°

>>Derivative: Monopicrate

CAS Registry Number: 24006-18-6

Physical Description: Yellow needles

Melting Point: Mp 142-143°

#### References:

Franzen, H. *et al.*, *J. Prakt. Chem.*, 1918, **97**, 344, (*synth*)

Kauffmann, T. *et al.*, *Chem. Ber.*, 1969, **102**, 3088, (*synth*)