



>>Entry Name: (2,4-Dimethylphenyl)hydrazine, 9CI

Synonym(s): 2,4-Xylylhydrazine

CAS Registry Number: 615-00-9

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

Molecular Formula: C₈H₁₂N₂

Molecular Weight: 136.196

Accurate Mass: 136.100048

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

Physical Description: Cryst.

Melting Point: Mp 85°

>>Derivative: Hydrochloride

CAS Registry Number: 60480-83-3

Physical Description: Cryst.

Melting Point: Mp 184-186°

Aldrich: 46288-8

>>Derivative: Monopicrate

CAS Registry Number: 24006-16-4

Physical Description: Yellow cryst. (EtOH)

Melting Point: Mp 135-136 dec.°

References:

Hunsberger, I.M. *et al.*, *J.O.C.*, 1956, **21**, 394, (*synth*)

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