



>>Entry Name: *N,N*-Dimethyl-2,2-diphenylacetamide

Synonym(s): *N,N*-Dimethyl- α -phenylbenzeneacetamide, 9CI. Diphenamid, ANSI, BSI, ISO, JMAF, WSSA. Dymid. Enide. Fenam. Zarur

CAS Registry Number: 957-51-7

Ph₂CHCONMe₂

Molecular Formula: C₁₆H₁₇NO

Molecular Weight: 239.316

Accurate Mass: 239.131014

Percentage Composition: C 80.30%; H 7.16%; N 5.85%; O 6.69%

Use/Importance: Selective preemergent herbicide

Physical Description: Cryst.

Melting Point: Mp 134.5-135.5°

Solubility: Spar. sol. H₂O; mod. sol. polar org. solvs.

Hazard & Toxicity: LD₅₀ (rat, orl) 685 (1050) mg/kg

Aldrich: 22560-6

Sigma: D3893

References:

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Bradamante, S. *et al.*, *J.O.C.*, 1980, **45**, 105, (cmr)

Eckstein, Z. *et al.*, *Synth. Commun.*, 1982, **12**, 201, (synth, ir)

Ripley, B.D. *et al.*, *J. Assoc. Off. Anal. Chem.*, 1983, **66**, 1084, (detn)

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