



>>Entry Name: Propamocarb, ANSI, BSI, ISO

Synonym(s): Propyl 3-(dimethylamino)propylcarbamate

CAS Registry Number: 24579-73-5

Me2NCH2CH2CH2NHCOOCH2CH2CH3

Molecular Formula: C₉H₂₀N₂O₂

Molecular Weight: 188.269

Accurate Mass: 188.152478

Percentage Composition: C 57.42%; H 10.71%; N 14.88%; O 17.00%

Use/Importance: Agricultural fungicide

Physical Description: Solid

>>Derivative: Hydrochloride

Synonym(s): Previcur N

CAS Registry Number: 25606-41-1

Use/Importance: Fungicide

Melting Point: Mp 45-55°

Solubility: V. sol. H₂O, MeOH, CH₂Cl₂, spar. sol. toluene, hexane

pKa Value: pK_a 9.1

Other Data: V. hygroscopic

Hazard & Toxicity: LD₅₀ (rat, orl) 2000 mg/kg

References:

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Gentile, I.A. *et al.*, *J. Chromatogr.*, 1982, **236**, 254, (*tlc*)

Pesticide Manual, 9th edn., 1991, No. 10110

Agrochemicals Handbook, 3rd edn., Royal Society of Chemistry, 1992, A342

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, PNI250