



>>Entry Name: *N,N'*-Diisopropylurea

Synonym(s): *N,N'*-Bis(1-methylethyl)urea, 9Cl. Diptocarpamidine. Diphthocarpamidine

CAS Registry Number: 4128-37-4

$(\text{H}_3\text{C})_2\text{CHNHCONHCH}(\text{CH}_3)_2$

Molecular Formula: $\text{C}_7\text{H}_{16}\text{N}_2\text{O}$

Molecular Weight: 144.216

Accurate Mass: 144.126263

Percentage Composition: C 58.30%; H 11.18%; N 19.42%; O 11.09%

Source/Synthesis: Isol. from *Diphthychocarpus strictus* seeds

Physical Description: Needles (EtOH aq.)

Melting Point: Mp 192°

Solubility: Insol. H_2O , Et_2O

References:

Curtius, Th., *J. Prakt. Chem.*, 1930, **125**, 186, (*synth*)

Boehmer, J.W., *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1936, **55**, 390, (*synth*)

Aripova, A.F. *et al.*, *Khim. Prir. Soedin.*, 1975, **11**, 762; *Chem. Nat. Compd. (Engl. Transl.)*, 1975, **11**, 784, (*isol*)

Ogura, H. *et al.*, *Synthesis*, 1978, 394, (*synth, ir, nmr*)

Patonay, T. *et al.*, *Synth. Commun.*, 1996, **26**, 4253, (*synth, ir, pmr*)