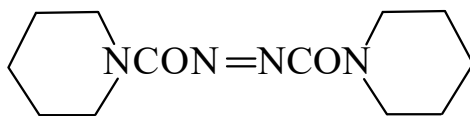




>>Entry Name: 1,1'-(Azodicarbonyl)bispiperidine, 9CI

Synonym(s): 1,1'-(Azodicarbonyl)dipiperidine



CAS Registry Number: 10465-81-3

Molecular Formula: C₁₂H₂₀N₄O₂

Molecular Weight: 252.316

Accurate Mass: 252.158626

Percentage Composition: C 57.12%; H 7.99%; N 22.21%; O 12.68%

Use/Importance: Highly reactive dienophile and efficient oxid. agent for primary and secondary alcohols and for hydroxyketones

Physical Description: Golden-yellow cryst. (hexane/C₆H₆)

Melting Point: Mp 134-135° (dec.)

Aldrich: 25592-0

Fluka: 11632

Sigma: A1582

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 806C, (*ir*)

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Diels, O. *et al.*, *Ber.*, 1911, **44**, 3018-3027, (*synth*)

Fahr, E. *et al.*, *Angew. Chem., Int. Ed.*, 1966, **5**, 372-384, (*rev*)

Smisson, E.E. *et al.*, *J.O.C.*, 1973, **38**, 1652-1657, (*synth, ir, pmr*)

Narasaka, K. *et al.*, *Bull. Chem. Soc. Jpn.*, 1977, **50**, 2773-2776, (*use*)

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