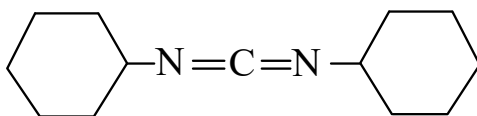




>>Entry Name: Dicyclohexylcarbodiimide, 8Cl

Synonym(s): *N,N'*-Methanetetraylbiscyclohexanamine, 9Cl. DCC



CAS Registry Number: 538-75-0

Molecular Formula: C<sub>13</sub>H<sub>22</sub>N<sub>2</sub>

Molecular Weight: 206.33

Accurate Mass: 206.178298

Percentage Composition: C 75.68%; H 10.75%; N 13.58%

Use/Importance: Dehydrating agent esp. as coupling agent in peptide and ester synth. Used for photometric detn. of carboxylic acids; detn. of carboxylic acids in tlc

Physical Description: Cryst.

Melting Point: Mp 35-36°

Boiling Point: Bp<sub>11</sub> 154-156°. Bp<sub>0.5</sub> 98-100°

Hazard & Toxicity: Severe eye, skin and respiratory tract irritant. Skin sensitiser

Aldrich: 37911-5

Fluka: 36652

Sigma: D3128

>>Derivative: Dimer

see *N,N'*-(1,3-Dicyclohexyl-1,3-diazetidene-2,4-diylidene)biscyclohexanamine, NVX72-J

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