

DICYCLOHEXYLCABODIIMIDE



CAS Number: 538-75-0

Other Names: N,N'-Dicyclohexylcarbodiimide, DCCD, DCCI
1,3-Dicyclohexylcarbodiimide, Carbodicyclohexylimide,

Formula: $C_{13}H_{22}N_2$

PRODUCT INTRODUCTION

Dicyclohexylcarbodiimide is an organic compound with the chemical formula $C_{13}H_{22}N_2$, it is a carbodiimide compound having a cyclohexyl substituent on both nitrogen atoms. It appears as white crystalline solid with a heavy sweet odor. It has a role as a peptide coupling reagent, an ATP synthase inhibitor and a cross-linking reagent. The low melting point of this material allows it to be melted for easy handling. It is highly soluble in dichloromethane, tetrahydrofuran, acetonitrile and dimethylformamide, but insoluble in water.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White to slightly yellow crystalline solid
Purity	99.0% min
Individual Impurity	0.5% max

APPLICATIONS

- Dicyclohexylcarbodiimide is used in industry as a stabilizing agent, coupling agent, and condensing agent.
- It has widespread use during protein synthesis in the recombinant DNA industry and in the synthesis of polypeptides in the chemical and pharmaceutical industries.

PACKAGING OPTIONS

Drums

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