



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

Catalogue Number	04-1137
Lot Number	001435-058001505
Product	3-(3-Dimethylaminopropyl)-1-ethyl-carbodiimide hydrochloride EDC hydrochloride
CAS Number	25952-53-8
Molecular Formula	C ₈ H ₁₇ N ₃ •HCl
Molecular Weight	191.7

Appearance	White powder
Clarity & Color	3NTU
Solubility	2-5 mg/mL (aqueous)
Melting Point	112.0-112.2 °C
Water Content (Karl Fisher)	0.10%
Infrared Spectrum	Conforms to structure
Assay by titration	99.9% (Argentometric)
Application	It is being used for the synthesis of amides. EDC.HCl is also used as a coupling agent in the preparation of esters from carboxylic acids using dimethylaminopyridine as the catalyst. It is water-soluble carbodiimide, widely used for peptide coupling.
Storage	Store at 0-8 °C

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