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EDC

Cat. Number: C-0026

Quantity Size: 50mg/100mg

CAS No.: 25952-53-8

Chemical formula: $C_8H_{17}N_3 \cdot HCl$

Molar mass: 191.7

Form: powder

Solubility: Water: soluble

Storage: Store at -20℃.

Also known as: N-(3-Dimethylaminopropyl)-N′-ethylcarbodiimide hydrochloride; N-Ethyl-N′-(3-dimethylaminopropyl)carbodiimide hydrochloride; EDC hydrochloride; WSC hydrochloride; Carbodiimide; 25952-53-8; EDAC; WSC;

Description： 1-Ethyl-3-(3-dimethylaminopropyl)carbodiimide (EDC, EDAC or EDCI) is a water-soluble carbodiimide usually obtained as the hydrochloride. It is typically employed in the 4.0-6.0 pH range. It is generally used as a carboxyl activating agent for the coupling of primary amines to yield amide bonds. Additionally, EDC can also be used to activate phosphate groups in order to form phosphomono-esters and phosphodiesters. Common uses for this carbodiimide include peptide synthesis, protein crosslinking to nucleic acids, but also in the preparation of immunoconjugates. EDC is often used in combination with N-hydroxysuccinimide (NHS) for the immobilisation of large biomolecules.