

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
Sensitivity:	Easily absorb moisture
Storage:	Store at 2-8°C.
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 phosphodiester. 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.

