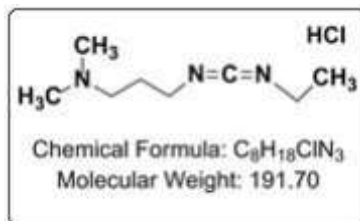


### EDC-HCl (EDAC-HCl)

Product Number: 13503-3x10, 13503-100, 13503-5, 13503-25, 13503-100



### Product Background

Alternative Names: EDC; EDC-HCl; EDAC; EDAC-HCl; 3-(ethyliminomethyleneamino)-N,N-dimethylpropan-1-amine; N-Ethyl-N'-(3-dimethylaminopropyl)carbodiimide hydrochloride; EDC hydrochloride; 1-(3-Dimethylaminopropyl)-3-Ethylcarbodiimide HCl;  $C_8H_{18}ClN_3$ ; 25952-53-8

EDC-HCl also known as 1-(3-Dimethylaminopropyl)-3-Ethylcarbodiimide HCl (EDAC-HCl) is a water soluble carbodiimide. This reagent is often used to couple to proteins without introducing a spacer chain between. EDC is also used in synthetic applications, where it is desirable to have a water-soluble byproduct after coupling an amine to a carboxylic acid or other suitable reaction.

Both Sulfo-NHS and N-Hydroxysuccinimide are well known catalysts for coupling reactions involving EDC-HCl, as they function by stabilizing a key intermediate. This results in higher coupling efficiencies.

For more information regarding EDC coupling procedures, visit [www.covachem.com](http://www.covachem.com) and download our technical bulletins.

#### [Protocol for EDC coupling with Sulfo-NHS](#)

#### [Protocol for EDC coupling with N-Hydroxysuccinimide](#)

### Product Description

#### Package Size and Product Numbers

3x10 mg.....	13503-3x10
100 mg.....	13503-100
5 gram.....	13503-5
25 gram.....	13503-25
100 gram.....	13503-100B

Product Name:

EDC-HCl (EDAC-HCl)

CAS Number:.....[25952-53-8](#)

### Product Specifications

- Appearance: White Solid
- Infrared Spectroscopy: Passes
- Purity:  $\geq 99\%$
- Melting Point: 110—114 °C
- Storage: -20 °C, protected from moisture.

CovaChem

6260 East Riverside Blvd

Suite 119

Loves Park, IL 61111

Ph. (815) 315-1271

Fax: (815) 315.1272

Email: [info@CovaChem.com](mailto:info@CovaChem.com)