

EDC-HCl Crosslinker

Chemical Properties

CAS No.:	25952-53-8
Formula:	C ₈ H ₁₈ ClN ₃
Molecular Weight:	191.7
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	EDC-HCl Crosslinker is a zero-length crosslinker. EDC-HCl Crosslinker is ideal for covalently binding proteins or peptides to carboxyl containing beads, resins, or other nanoparticles.
-------------	--

Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.216 mL	26.082 mL	52.165 mL
5 mM	1.043 mL	5.216 mL	10.433 mL
10 mM	0.522 mL	2.608 mL	5.216 mL
50 mM	0.104 mL	0.522 mL	1.043 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Krishnamoorthy G, Selvakumar R, Sastry TP, Sadulla S, Mandal AB, Doble M. Experimental and theoretical studies on Gallic acid assisted EDC/NHS initiated crosslinked collagen scaffolds. *Mater Sci Eng C Mater Biol Appl*. 2014 Oct;43:164-71. doi: 10.1016/j.msec.2014.07.003. Epub 2014 Jul 8. PubMed PMID: 25175201.
2. Zhao P, Deng C, Xu H, Tang X, He H, Lin C, Su J. Fabrication of photo-crosslinked chitosan- gelatin scaffold in sodium alginate hydrogel for chondrocyte culture. *Biomed Mater Eng*. 2014;24(1):633-41. doi: 10.3233/BME-130851. PubMed PMID: 24211948.
3. Li W, Long Y, Liu Y, Long K, Liu S, Wang Z, Wang Y, Ren L. Fabrication and characterization of chitosan-collagen crosslinked membranes for corneal tissue engineering. *J Biomater Sci Polym Ed*. 2014;25(17):1962-72. doi: 10.1080/09205063.2014.965996. Epub 2014 Oct 9. PubMed PMID: 25299624.
4. Staroszczyk H, Sztuka K, Wolska J, Wojtasz-Pajak A, Kołodziejska I. Interactions of fish gelatin and chitosan in uncrosslinked and crosslinked with EDC films: FT-IR study. *Spectrochim Acta A Mol Biomol Spectrosc*. 2014 Jan 3;117:707-12. doi: 10.1016/j.saa.2013.09.044. Epub 2013 Sep 18. PubMed PMID: 24140742.

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481