

## DSSeb Crosslinker

**Chemical Properties**

CAS No.:	23024-29-5
Formula:	C18H24N2O8
Molecular Weight:	396.39
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	DSSeb Crosslinker is a homobifunctional cross-linking reagent. It is useful in protein crosslinking and making antibody-drug conjugates.
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**Solubility Information**

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.523 mL	12.614 mL	25.228 mL
5 mM	0.505 mL	2.523 mL	5.046 mL
10 mM	0.252 mL	1.261 mL	2.523 mL
50 mM	0.050 mL	0.252 mL	0.505 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. Heck T, Faccio G, Richter M, Thöny-Meyer L. Enzyme-catalyzed protein crosslinking. *Appl Microbiol Biotechnol*. 2013 Jan;97(2):461-75. doi: 10.1007/s00253-012-4569-z. Epub 2012 Nov 25. Review. PubMed PMID: 23179622; PubMed Central PMCID: PMC3546294.
2. Reddy N, Reddy R, Jiang Q. Crosslinking biopolymers for biomedical applications. *Trends Biotechnol*. 2015 Jun;33(6):362-9. doi: 10.1016/j.tibtech.2015.03.008. Epub 2015 Apr 14. Review. PubMed PMID: 25887334.
3. Movahedi A, Lundin A, Kann N, Nydén M, Moth-Poulsen K. Cu(I) stabilizing crosslinked polyethyleneimine. *Phys Chem Chem Phys*. 2015 Jul 28;17(28):18327-36. doi: 10.1039/c5cp02198g. PubMed PMID: 26104912.
4. Reinitz SD, Currier BH, Levine RA, Van Citters DW. Crosslink density, oxidation and chain scission in retrieved, highly cross-linked UHMWPE tibial bearings. *Biomaterials*. 2014 May;35(15):4436-40. doi: 10.1016/j.biomaterials.2014.02.019. Epub 2014 Mar 1. PubMed PMID: 24589360.

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