

Sulfo-MBS Crosslinker

Chemical Properties

CAS No. :	92921-25-0
Formula:	C ₁₅ H ₁₀ N ₂ NaO ₉ S
Molecular Weight:	417.3
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	Sulfo-MBS Crosslinker is a non-cleavable, water-soluble, heterobifunctional protein crosslinking reagent. It is commonly used to crosslink haptens to carrier proteins and enzymes to antibodies.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3964 mL	11.9818 mL	23.9636 mL
5 mM	0.4793 mL	2.3964 mL	4.7927 mL
10 mM	0.2396 mL	1.1982 mL	2.3964 mL
50 mM	0.0479 mL	0.2396 mL	0.4793 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Chen F, Nielsen S, Zenobi R. Understanding chemical reactivity for homo- and heterobifunctional protein cross-linking agents. *J Mass Spectrom.* 2013 Jul;48(7):807-12. doi: 10.1002/jms.3224. PubMed PMID: 23832936.

Nadeau OW, Carlson GM. Protein Interactions Captured by Chemical Cross-linking: Simple Cross-linking Screen Using Sulfo-MBS. *CSH Protoc.* 2007 Apr 1;2007:pdb.prot4587. doi: 10.1101/pdb.prot4587. PubMed PMID: 21357052.

Kühn-Hölsken E, Lenz C, Dickmanns A, Hsiao HH, Richter FM, Kastner B, Ficner R, Urlaub H. Mapping the binding site of snurportin 1 on native U1 snRNP by cross-linking and mass spectrometry. *Nucleic Acids Res.* 2010 Sep;38(16):5581-93. doi: 10.1093/nar/gkq272. Epub 2010 Apr 26. PubMed PMID: 20421206; PubMed Central PMCID: PMC2938196.

Söllner T, Rassow J, Wiedmann M, Schlossmann J, Keil P, Neupert W, Pfanner N. Mapping of the protein import machinery in the mitochondrial outer membrane by crosslinking of translocation intermediates. *Nature.* 1992 Jan 2;355(6355):84-7. PubMed PMID: 1530986.

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