

Crosslinkers

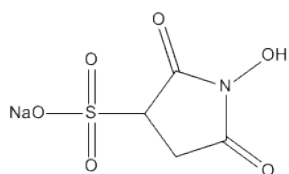
Crosslinkers are either homo- or hetero-bifunctional reagents with identical or non-identical reactive groups, respectively, permitting the establishment of inter- as well as intra-molecular crosslinkages on proteins or other molecules. BioVision offers both homo-bifunctional and hetero-bifunctional crosslinkers. Homo-bifunctional crosslinkers such as Nhydroxysuccinimide (NHS) esters, specifically react with the primary amine groups and have been used extensively as they are soluble in aqueous solvents and can form stable inter- and intra-subunit covalent bonds. However, heterobifunctional crosslinkers have been used to study the protein-protein interaction in situations where the catalytic site of one of the proteins contain an amine.

It is important to consider factors such as solubility, membrane permeability, spacer arm length and reversibility of crosslinks for selecting the requisite crosslinker for optimal reaction with the proteins. Additional factors include pH and temperature to preserve the native structure of the proteins. The entire set of crosslinking reagents available from BioVision for use with proteins and other biomolecules are listed below.

Product Highlights:

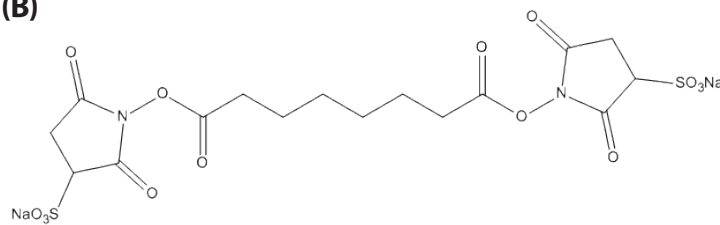
- Water-soluble protein crosslinkers that can be used under physiological conditions
- Reagents to label proteins or peptides to carboxyl containing beads, resins, or other nanoparticles
- Thiolation reagents for polysaccharides or RNA-protein crosslinking
- Protein biotinylation reagents for proteins, antibodies under mild or alkaline conditions

(A)



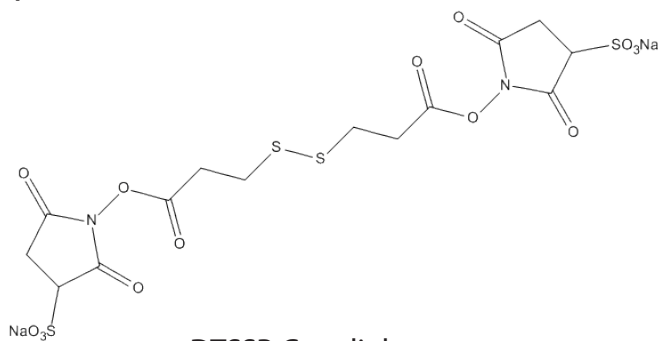
Sulfo-NHS

(B)



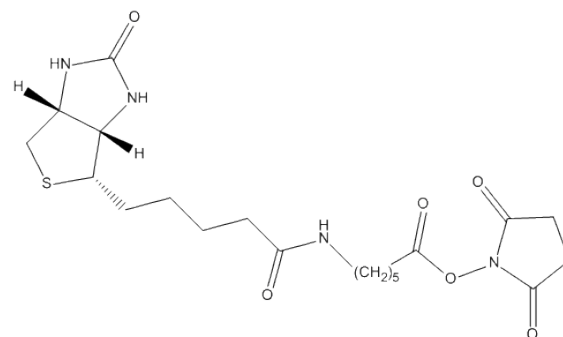
BS3 Crosslinker

(C)



DTSSP Crosslinker

(D)



Biotin-LC-NHS

155 S. Milpitas Blvd, Milpitas, CA 95035

T: 408-493-1800 F: 408-493-1801

Toll Free: 800-891-9699 (US Only)

Product Name	Cat. No.	Size	CAS. No.
ASB-14	1738	5 g, 25 g	216667-08-2
Biotin-HPDP Crosslinker	2329	50 mg, 250 mg	129179-83-5
Biotin-LC-LC-NHS	2346	50 mg, 250 mg, 1 g	89889-52-1
Biotin-LC-NHS	2345	50 mg, 250 mg, 1 g	72040-63-2
Biotin-NHS	2347	50 mg, 250 mg, 1 g	35013-72-0
Biotin-PEG ₄ -NHS	B1518	50 mg, 250 mg	459426-22-3
BS3 Crosslinker	2327	10 x 2 mg, 50 mg, 250 mg, 1 g	82436-77-9
CHAPS, High Purity	1545	10 g, 50 g, 100 g, 500 g, 1 kg	75621-03-3
Tween® 20, MegaPure™ Detergent, 10% Solution	2125	50 ml, 100 ml, 500 ml, 10 x 5 ml	9005-64-5
Tween® 80, MegaPure™ Detergent, 10% Solution	2126	50 ml, 100 ml, 500 ml, 10 x 5 ml	9005-65-6
NP-40 Substitute, MegaPure™ Detergent, 10% Solution	2127	50 ml, 100 ml, 500 ml, 10 x 5 ml	9016-45-9
DTSSP Crosslinker	2337	50 mg, 250 mg	81069-02-5
N-Hydroxysuccinimide	2331	5 g, 25 g	6066-82-6
n-Octyl-β-D-glucopyranoside	1646	5 g, 25 g, 50 g	29836-26-8
NP-40 (10% in H ₂ O)	2111	100 ml	N/A
Octyl-β-D-thioglucopyranoside	1782	1 g, 5 g, 50 g, 100 g	85618-21-9
SATA	2363	100 mg, 250 mg, 1 g	76931-93-6
SDS Solution	2102	100 ml	N/A
Tween® 20 Solution (10% in H ₂ O)	2109	100 ml	N/A
SPDP Crosslinker	2328	50 mg, 250 mg	68181-17-9
Sulfobetaine 3-16	1777	5 g, 25 g	2281-11-0
Sulfo-LC-SPDP	2325	50 mg, 250 mg	N/A
Sulfo-NHS	2321	10 x 2 mg, 50 mg, 5 g	106627-54-7
Sulfo-NHS-Biotin	2322	10 x 1 mg, 50 mg, 250 mg	119616-38-5
Sulfo-NHS-LC-Biotin	2326	10 x 1 mg, 50 mg, 100 mg	127062-22-0
Sulfo-NHS-SS-Biotin	2323	10 x 1 mg, 50 mg, 100 mg	325143-98-4
Sulfo-SANPH	2324	50 mg, 250 mg	102568-43-4
Sulfo-SMCC	2320	10 x 2 mg, 50 mg, 100 mg, 1 g	92921-24-9
Traut's Reagent	2330	500 mg, 1 g	4781-83-3
Triton® X-100 Solution (10% in H ₂ O)	2104	100 ml	N/A
Triton® X-100, MegaPure™ Detergent, 10% Solution	2124	50 ml, 100 ml, 500 ml, 10 x 5 ml	9002-93-1

Please visit our website www.biovision.com for the most up-to-date details on all the products that we have in our catalog.