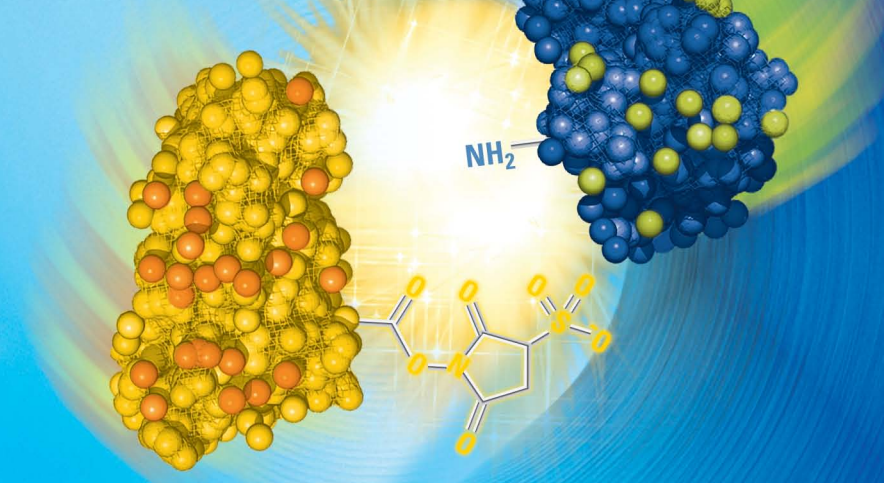


Thermo Scientific Pierce Crosslinkers

for Coupling, Labeling
and Immobilizing Proteins



Highest Purity, Highest Efficiency.

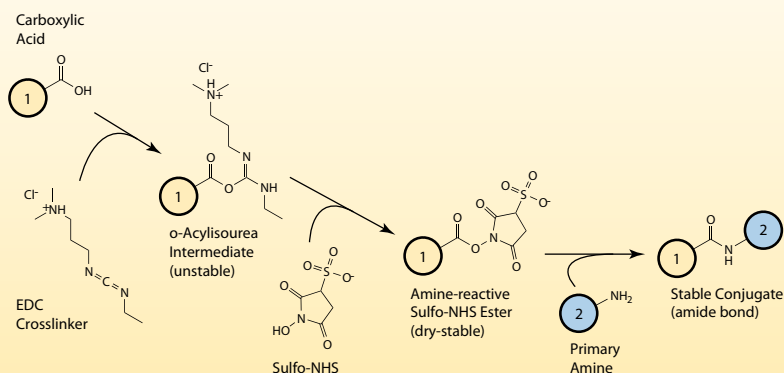
Pierce Crosslinking products deliver better performance and now come to you at a better price. For a limited time we are offering 5 free convenient Thermo Scientific Zeba Desalting Columns when you purchase Sulfo-NHS and EDC (details below).



Special Offer!

Carboxylic Acid to Amine Conjugation

EDC and Sulfo-NHS are widely used to modify a carboxylic acid functional group to become reactive with a primary amine. EDC and Sulfo-NHS convert the carboxylic acid to an NHS-Ester, which readily reacts with primary amines on proteins, peptides, antibodies or even small molecules. Common uses include forming protein conjugates and immobilizing proteins or antibodies onto a solid support such as glass, plastic or agarose bead. The final conjugate has a stable and covalent amide bond holding the two moieties together.

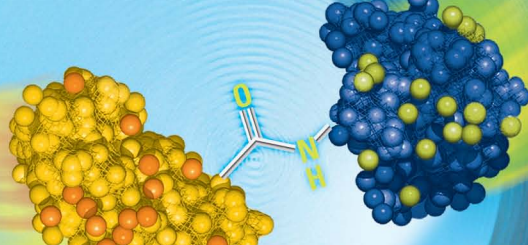


Ordering Information

Product #	Description	Pkg. Size
PI-24500	NHS (N-hydroxysuccinimide)	25g
PI-24510	Sulfo-NHS (N-hydroxysulfosuccinimide)	500mg
PI-24520	Sulfo-NHS, No-Weigh Format	8x2mg
PI-24525	Sulfo-NHS (N-hydroxysulfosuccinimide)	5g
PI-22980	EDC 1-Ethyl-3-[3-dimethylaminopropyl] carbodiimide hydrochloride	5g
PI-22981	EDC 1-Ethyl-3-[3-dimethylaminopropyl] carbodiimide hydrochloride	25g
PI-77149	EDC 1-Ethyl-3-[3-dimethylaminopropyl] carbodiimide hydrochloride	10mg
PI-24520BNDL	Sulfo-NHS, EDC and Desalting Column Bundle Pack* Includes: Sulfo-NHS EDC Zeba Desalting Column	8x2mg 10mg 5x5mL

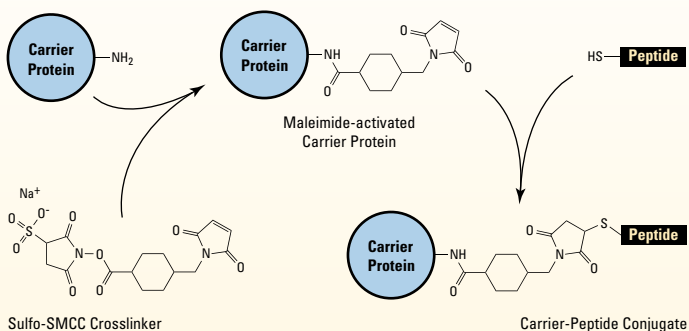
SPECIAL

* Available Nov. 1, 2010, Feb. 28, 2011, when you order using the PI-24520BNDL SKU. Not valid on previous purchases. Cannot be combined with other offers. Offer valid through Feb. 28, 2011 – or until inventory of specially marked packages is depleted.



Amine to Sulfhydryl Conjugation

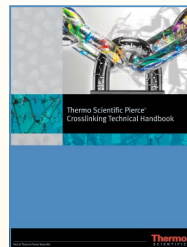
Sulfo-SMCC is commonly used as a crosslinker to conjugate enzymes to antibodies or to conjugate antigens to carrier proteins. Sulfo-SMCC first labels primary amines with a cysteine-reactive functional group called a maleimide. The Maleimide targets reduced sulfhydryls, such as those found in the side chains of the amino acid cysteine, in the second step of the reaction.



Ordering Information

Product #	Description	Pkg. Size
PI-22122	Sulfo-SMCC	1g
PI-22322	Sulfo-SMCC	50mg
PI-22622	Sulfo-SMCC, No-Weigh format	8x2mg

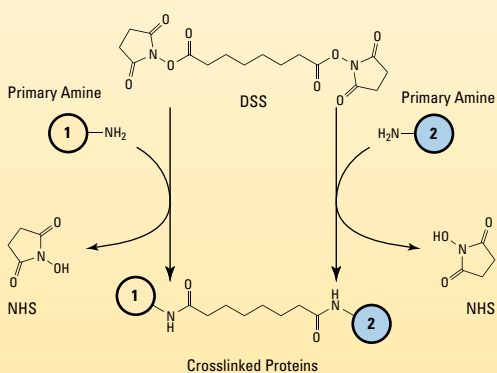
Crosslinking Technical Handbook



This 45-page guide is of value to the novice and those who have previous experience with crosslinking reagents. This piece features our complete Thermo Scientific Pierce Crosslinker Products offering, including a broad selection of heterobifunctional photoreactive crosslinking reagents. To download or request a free copy of this handbook, visit www.thermoscientific.com/pierce

Amine to Amine Conjugation

Because amine chemistry requires no amino acid modification and proceeds readily in physiological conditions, many researchers simply use crosslinkers that link to primary amine-containing biomolecules. This is commonly used to immobilize antibodies to beads coated with Proteins A, G or A/G. Two commonly used reagents include BS³ and DSS, which differ only by the increased solubility of BS³ in aqueous buffers.



Ordering Information

Product #	Description	Pkg. Size
PI-21555	DSS (Disuccinimidyl suberate)	1g
PI-21655	DSS (Disuccinimidyl suberate)	50mg
PI-21658	DSS, No-Weigh Format	8x2mg
PI-21580	BS ³ (Bis[sulfosuccinimidyl] suberate)	50mg
PI-21585	BS ³ , No-Weigh Format	8x2mg
PI-21586	BS ³ (Bis[sulfosuccinimidyl] suberate)	1g

Unsure which crosslinker to use in your research?

Use our online selection guide.

Visit www.thermoscientific.com/pierce and click on Technical Resources and then Selection Guides or simply search on "Crosslinker."

Why mess around? Our convenient microtube packaging eliminates the difficulties associated with weighing small quantities of reagent.



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