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N-terminal labeling of proteins by the Pictet-Spengler reaction

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Bioorganic and Medicinal Chemistry Letters, 2008, 18, 4550-3

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#	Paper	IF	Citations
43	The specific isolation of C-terminal peptides of proteins through a transamination reaction and its advantage for introducing functional groups into the peptide. <i>Rapid Communications in Mass Spectrometry</i> , 2009 , 23, 611-8	2.2	12
42	A method for terminus proteomics: selective isolation and labeling of N-terminal peptide from protein through transamination reaction. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009 , 19, 6544-7	2.9	9
41	Functionalization of peptides and proteins by Mukaiyama aldol reaction. <i>Journal of the American Chemical Society</i> , 2010 , 132, 9546-8	16.4	52
40	Die Pictet-Spengler-Reaktion in der Natur und der organischen Chemie. <i>Angewandte Chemie</i> , 2011 , 123, 8692-8719	3.6	134
39	The Pictet-Spengler reaction in nature and in organic chemistry. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 8538-64	16.4	492
38	Modification of N-terminal amino groups of peptides and proteins using ketenes. <i>Journal of the American Chemical Society</i> , 2012 , 134, 2589-98	16.4	123
37	Organische Proteinchemie und ihre Anwendung für Markierungen und Engineering in Lebzellsystemen. <i>Angewandte Chemie</i> , 2013 , 125, 4182-4200	3.6	65
36	A Pictet-Spengler ligation for protein chemical modification. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 46-51	11.5	163
35	Protein organic chemistry and applications for labeling and engineering in live-cell systems. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 4088-106	16.4	253
34	Peptides and peptidoaldehydes as substrates for the Pictet-Spengler reaction. <i>Journal of Peptide Science</i> , 2013 , 19, 433-40	2.1	4
33	Click chemistry in complex mixtures: bioorthogonal bioconjugation. <i>Chemistry and Biology</i> , 2014 , 21, 1075-101		530
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30	Reconstitution of Formylglycine-generating Enzyme with Copper(II) for Aldehyde Tag Conversion. <i>Journal of Biological Chemistry</i> , 2015 , 290, 15730-15745	5.4	48
29	Site-specific chemical modification of peptide and protein by thiazolidinediones. <i>Organic Letters</i> , 2015 , 17, 1361-4	6.2	26
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27	Click chemistry patents and their impact on drug discovery and chemical biology. <i>Pharmaceutical Patent Analyst</i> , 2015 , 4, 109-19	0.6	6

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6	Oxidation-Induced "One-Pot" Click Chemistry. <i>Chemical Reviews</i> , 2021 , 121, 7032-7058	68.1	10
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3	Tandem Asymmetric Cycloaromatization/intramolecular Pictet-Spengler-type Reaction. An Entry to Polycyclic Pyrroles. <i>Advanced Synthesis and Catalysis</i> ,	5.6	
2	The use of tyrosinases in a chemoenzymatic cascade as a peptide ligation strategy.		0
1	Chemical modification of proteins – challenges and trends at the start of the 2020s.		1