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Organocatalysts of oxidative protein folding inspired by protein disulfide isomerase

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Organic and Biomolecular Chemistry, 2014, 12, 8598-602.

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#	Paper	IF	Citations
11	Small molecule diselenide additives for in vitro oxidative protein folding. <i>Chemical Communications</i> , 2016 , 52, 3336-9	5.8	24
10	Selenogluthathione Diselenide: Unique Redox Reactions in the GPx-Like Catalytic Cycle and Repairing of Disulfide Bonds in Scrambled Protein. <i>Biochemistry</i> , 2017 , 56, 5644-5653	3.2	25
9	Chemistry and Enzymology of Disulfide Cross-Linking in Proteins. <i>Chemical Reviews</i> , 2018 , 118, 1169-1198	10.1	107
8	Protein Folding in the Presence of Water-Soluble Cyclic Diselenides with Novel Oxidoreductase and Isomerase Activities. <i>ChemBioChem</i> , 2018 , 19, 207-211	3.8	20
7	Coupling effects of thiol and urea-type groups for promotion of oxidative protein folding. <i>Chemical Communications</i> , 2019 , 55, 759-762	5.8	16
6	Basic Amino Acid Conjugates of 1,2-Diselenan-4-amine with Protein Disulfide Isomerase-like Functions as a Manipulator of Protein Quality Control. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 2646-2652	4.5	8
5	Flexible Folding: Disulfide-Containing Peptides and Proteins Choose the Pathway Depending on the Environments. <i>Molecules</i> , 2021 , 26,	4.8	6
4	Conjugate of Thiol and Guanidyl Units with Oligoethylene Glycol Linkage for Manipulation of Oxidative Protein Folding. <i>Molecules</i> , 2021 , 26,	4.8	2
3	Abnormal Enhancement of Protein Disulfide Isomerase-like Activity of a Cyclic Diselenide Conjugated with a Basic Amino Acid by Inserting a Glycine Spacer. <i>Biology</i> , 2021 , 10,	4.9	1
2	The Non-native Disulfide-Bond-Containing Landscape Orthogonal to the Oxidative Protein-Folding Trajectory: A Necessary Evil?. 2022 , 126, 10273-10284		0
1	Oxidative Protein Folding Promotion by Imidazolyl-conjugated Thiol. 2023 , 52, 202-205		0