

Identification of disulfide isomerase ERp57 as a target for small molecule cardioprotective agent

Guozhen Cui,^{‡ab} Luchen Shan,^{‡c} Ivan Keung Chu,^d Guohui Li,^d George Pak Heng

Leung,^e Yuqiang Wang^c Maggie Pui Man Hoi,^{*a} Simon Ming Yuen Lee^{*a}

^aState Key Laboratory of Quality Research in Chinese Medicine and Institute of Chinese Medical Sciences, University of Macau, Macao, China. E-mail: maghoi.um@gmail.com; simonlee@umac.mo; Tel: +853-8822-4695

^bDepartment of Bioengineering, Zhuhai Campus of Zunyi Medical University, Guangdong, Zhuhai, China

^cInstitute of New Drug Research, College of Pharmacy, Jinan University, Guangzhou, China

^dDepartment of Chemistry, The University of Hong Kong, Hong Kong, China

^eDepartment of Pharmacology and Pharmacy, Li Ka Shing Faculty of Medicine, The University of Hong Kong, China

Supplementary Table 1. Proteins identified by pull down and mass spectrometry

#	Accession no.	Protein name	Protein function
1	P11598	ERp57	Cell redox homeostasis, platelet aggregation, protein folding
2	G3V6T7	ERp72	Cell redox homeostasis, protein folding
3	Q63081	ERp5	Cell redox homeostasis, platelet aggregation, calcium ion binding
4	Q63716	Peroxiredoxin-1	Involved in redox regulation of the cell
5	P35704	Peroxiredoxin-2	Involved in redox regulation of the cell
6	P63102	14-3-3 protein zeta/delta	Thought to have phospholipase A2 activity
7	P07150	Annexin A1	Regulates phospholipase A2 activity and binds calcium ions with high affinity
8	P63029	Translationally-controlled tumor protein	Involved in calcium binding and microtubule stabilization