Electronic Supplementary Material (ESI) for Food & Function. This journal is © The Royal Society of Chemistry 2024

Fig.3. Zerumbone alleviated D-gal-induced neuronal apoptosis and oxidative damage in vitro.

Repetitive Western blotting images of Bcl-2 and Bax protein in D-gal-induced SH-SY5Ycells.

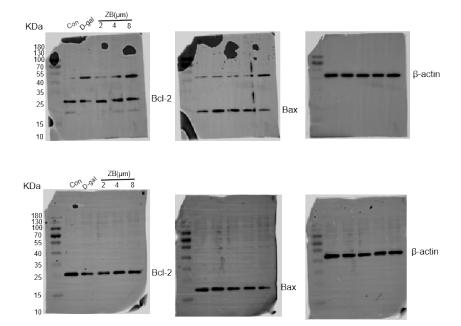
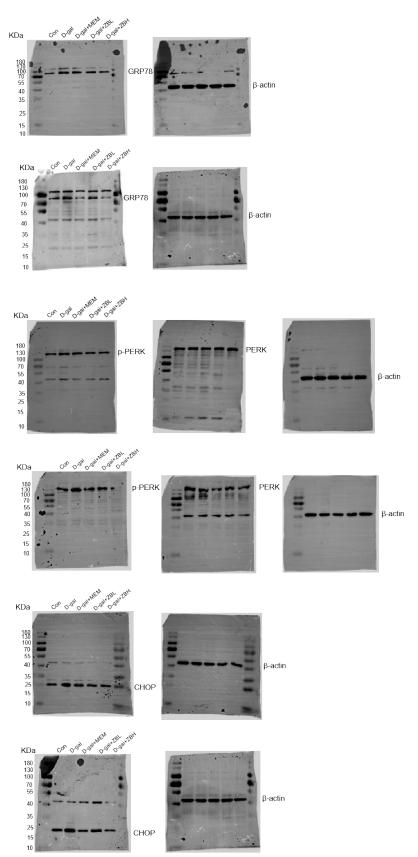


Fig.4. Zerumbone inhibited D-gal-induced activation of PERK/CHOP pathway in vivo and in vitro



Repetitive Western blotting images of GRP78, p-PERK/PERK, and CHOP in D-gal-induced mice.

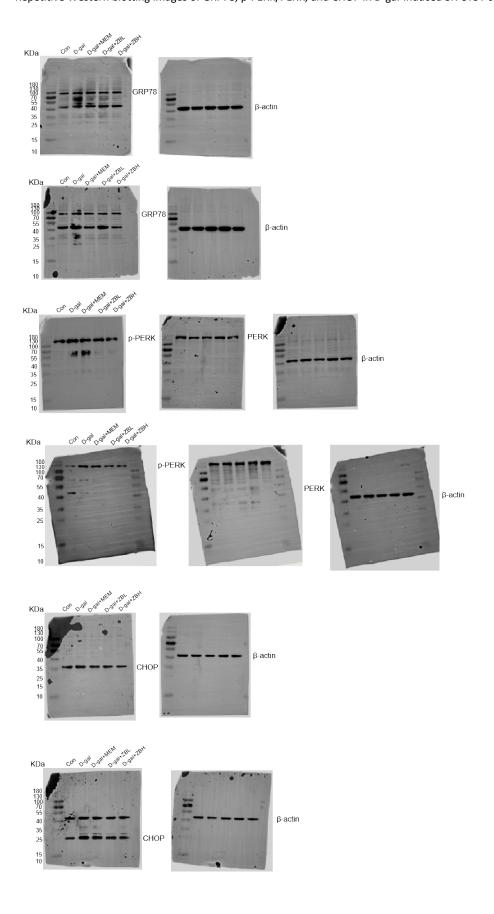
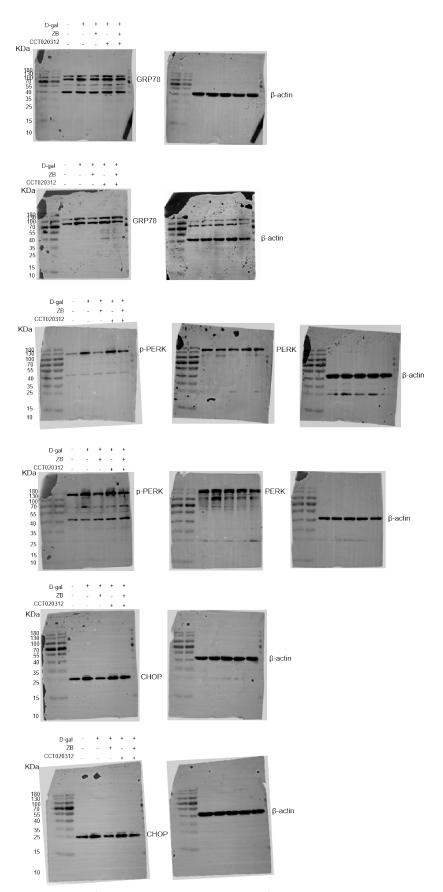
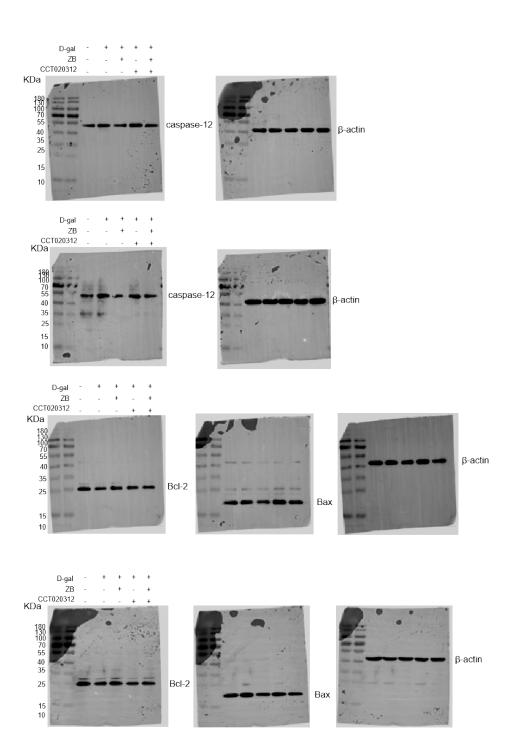


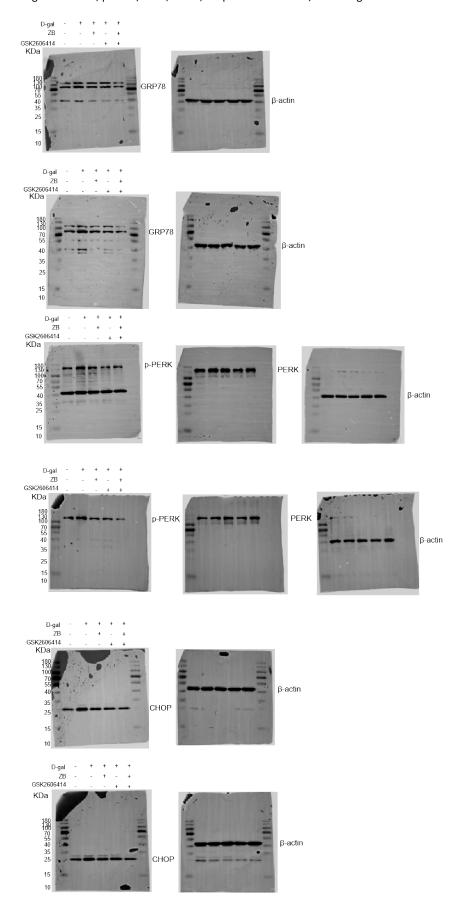
Fig.5. Zerumbone inhibited D-gal-induced ER stress and apoptosis by PERK-dependent pathway in vitro.



of GRP78, p-PERK/PERK, CHOP, Caspase-12 and Bcl-2/Bax in D-gal-induced SH-SY5Y cells.



When GSK2606414 (0.25 μ M) and ZB (8 μ M) were applied to treat cells together, repetitive Western blotting images of GRP78, p-PERK/PERK, CHOP, Caspase-12 and Bcl-2/Bax in D-gal-induced SH-SY5Y cells.



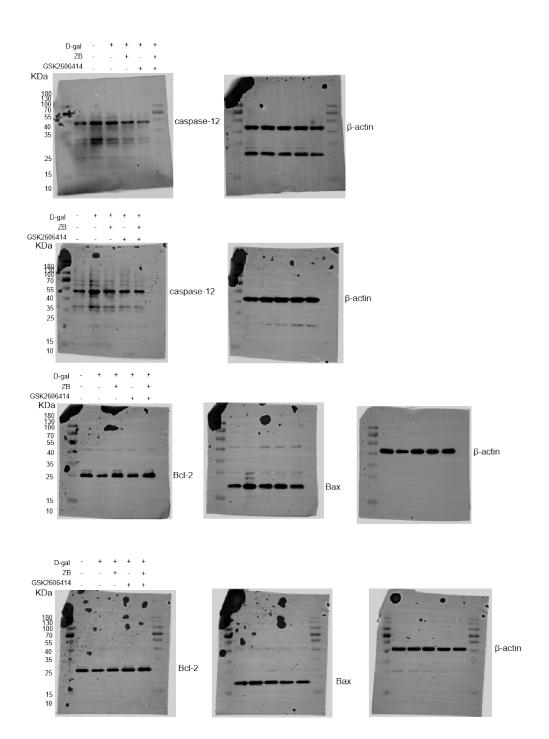


Fig.6. Calculation of medium efficiency equations and molecular docking

Repetitive Western blotting images of p-PERK/PERK in D-gal-induced SH-SY5Y cells.

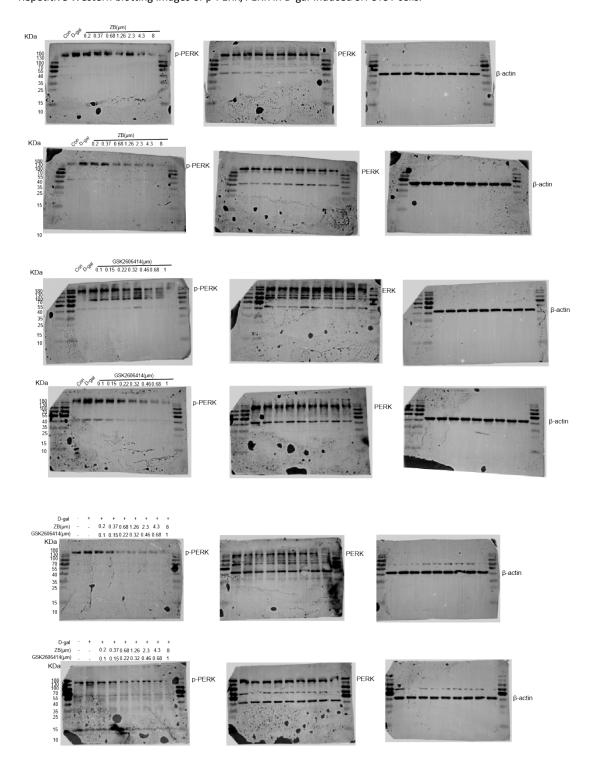


Fig.7. Zerumbone reversed tunicamycin-induced the activation of PERK/CHOP pathway and apoptosis in vitro.

Repetitive Western blotting images of GRP78, p-PERK/PERK, CHOP, Caspase-12 and Bcl-2/Bax in tunicamycin-induced SH-SY5Y cells.

