

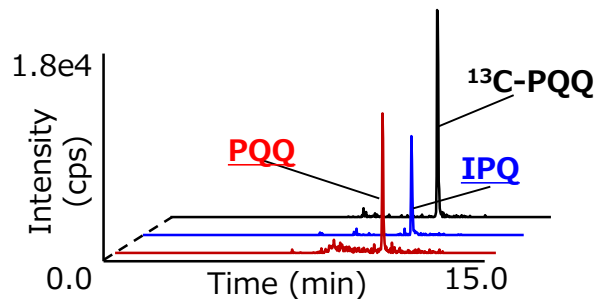
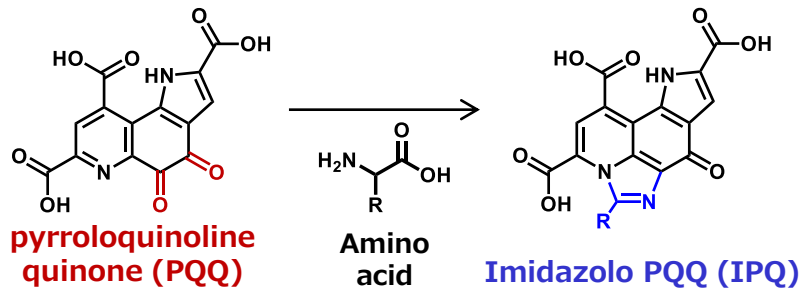
Theme: Elucidation of the dynamics of PQQ in vivo and Elucidation of the mechanism of ferroptosis

Purpose:

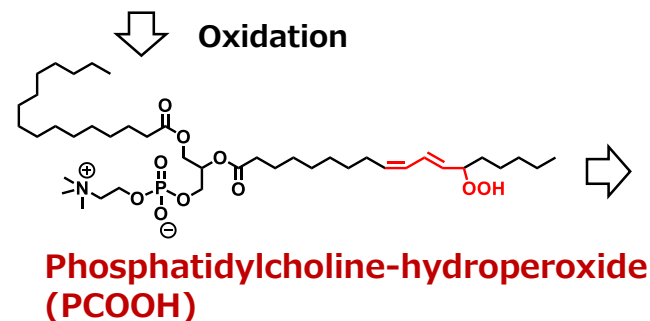
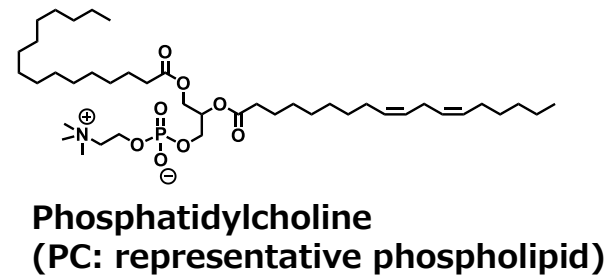
- (1) Elucidation of the kinetics and physiological significance of pyrroloquinoline quinone (PQQ) in vivo
- (2) Elucidation of the mechanism of ferroptosis by oxidized phospholipid

Achievement:

- (1) Proposal of physiological significance of PQQ by clarifying the source, dynamics and form of PQQ in vivo.
- (2) Proposal of new ferroptosis-inducing factor and defense mechanism by searching PLOOH dynamics and reductase.



Analysis example of PQQ and IPQ



Mechanism of ferroptosis

Ferroptosis