

Interaction of benzoquinones with mitochondria interferes with oxidative phosphorylation characteristics

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Abstract:

Studies with four benzoquinones, viz. juglone, embelin, maesaquinone and maesanin, on rat liver mitochondria oxidative phosphorylation have been carried out. Three of the benzoquinones are uncouplers in the order juglone > maesoquinone > embelin, while maesanin is an inhibitor of electron transport and oxidative phosphorylation.