

Supplementary Tab. 2 - Role and effect the inhibitors on mitochondrial activity

Inhibitor	Role	Effect
Oligomycin	Inhibits ATP synthase, reduces electron flow through the electron transport chain (ETC)	Decreases ATP levels
FCCP Carbonyl cyanide 4-(trifluoromethoxy)phenylhydrazone	Disrupts mitochondrial membrane potential.	Increases the rate of cellular oxygen consumption
Rotenone	Inhibits complex III of the ETC	Suppresses mitochondrial respiration