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Cutting-edge research for a greener sustainable future

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open flask setup any R: not limited to Ar any MX: no need in ion-exchange step simple SM: no need in imidazole as starting material

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Aromatic long chain cations of amphiphilic ionic liquids permeabilise the inner mitochondrial membrane and induce mitochondrial dysfunction at cytotoxic concentrations

Meryem-Nur Duman, Alexander Angeloski, Michael S. Johnson and Tristan Rawling* Aromatic AmILs $\Delta \Psi_{p} \sim 70 \text{ mV}$ Ψ_{H} Ψ_{H} Ψ_{M} driven mitochondrial accumulation Permeabilisation of IMM \downarrow ATP \downarrow OCR \uparrow ROS

