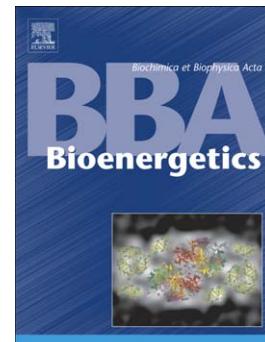


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A short-chain alkyl derivative of Rhodamine 19 acts as a mild uncoupler of mitochondria and a neuroprotector

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A short-chain alkyl derivative of Rhodamine 19 acts as a mild uncoupler of mitochondria and a neuroprotector

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Abbreviations: $\Delta\psi$, transmembrane electric potential difference; BLM, bilayer lipid membrane; BSA, bovine serum albumin; C₂R1, Rhodamine 19 ethyl ester or Rhodamine 6G; C₄R1, Rhodamine 19 butyl ester; C₄R4, Rhodamine B butyl ester; C₈R1, Rhodamine 19 octyl ester; C₁₀R1, Rhodamine 19 decyl ester; C₁₂R1, Rhodamine 19 dodecyl ester; C₁₆R1, Rhodamine 19 octadecyl ester; CCCP, carbonyl cyanide *m*-chlorophenylhydrazone; DPhPC, diphyanoylphosphatidylcholine; DNP, 2,4-dinitrophenol; DiSC3-(5), 3,3'-dipropylthiadicarbocyanine iodide; FCCP, carbonyl cyanide-*p*-trifluoromethoxyphenylhydrazone; FCS, fluorescence correlation spectroscopy; MCAO, middle cerebral artery occlusion; MR, magnetic resonance; MRI, magnetic resonance imaging; PBS, phosphate buffered saline; PIA, peak intensity analysis; ROS, reactive oxygen species; TBA,

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