

## Accepted Manuscript

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

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PII: S0005-2728(14)00532-5  
DOI: doi: [10.1016/j.bbabbio.2014.07.006](https://doi.org/10.1016/j.bbabbio.2014.07.006)  
Reference: BBABIO 47339

To appear in: *BBA - Bioenergetics*

Received date: 25 March 2014  
Revised date: 20 June 2014  
Accepted date: 9 July 2014



Please cite this article as: Ljudmila S. Khailova, Denis N. Silachev, Tatyana I. Rokitskaya, Armine V. Avetisyan, Konstantin G. Lyamsaev, Inna I. Severina, Tatyana M. Il'yasova, Mikhail V. Gulyaev, Vera I. Dedukhova, Tatyana A. Trendeleva, Egor Y. Plotnikov, Renata A. Zvyagilskaya, Boris V. Chernyak, Dmitry B. Zorov, Yuri N. Antonenko, Vladimir P. Skulachev, A short-chain alkyl derivative of Rhodamine 19 acts as a mild uncoupler of mitochondria and a neuroprotector, *BBA - Bioenergetics* (2014), doi: [10.1016/j.bbabbio.2014.07.006](https://doi.org/10.1016/j.bbabbio.2014.07.006)

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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; C<sub>2</sub>R1, Rhodamine 19 ethyl ester or Rhodamine 6G; C<sub>4</sub>R1, Rhodamine 19 butyl ester; C<sub>4</sub>R4, Rhodamine B butyl ester; C<sub>8</sub>R1, Rhodamine 19 octyl ester; C<sub>10</sub>R1, Rhodamine 19 decyl ester; C<sub>12</sub>R1, Rhodamine 19 dodecyl ester; C<sub>16</sub>R1, Rhodamine 19 octadecyl ester; CCCP, carbonyl cyanide *m*-chlorophenylhydrazone; DPhPC, diphytanoylphosphatidylcholine; 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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