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Nitroxide Spin Labels: Reactions in Biology and Chemistry presents information essential for research in this area. Nitroxide research offers the promise of important new ways of measuring metabolism and will be useful in the diagnosis of important disease categories such as cancer, inflammation, and ischemia.

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Nitroxide spin labels : reactions in biology and chemistry ...

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Rajca Research Group at UNL: Nitroxide Spin Labels

Nitroxide Spin Labels Nitroxides are widely used as spin labels for study of biomolecules. Site-directed spin labeling (SDSL) pulsed electron paramagnetic resonance (EPR) is among the best techniques for determination of conformational changes and for characterization of the flexible regions of macromolecules.

gem-Diethyl Pyrroline Nitroxide Spin Labels: Synthesis ...

The cover picture shows an artistic view of E. coli cells and two spin labels... gem-Diethyl Pyrroline Nitroxide Spin Labels: Synthesis, EPR Characterization, Rotamer Libraries and Biocompatibility - Bleicken - 2019 - ChemistryOpen - Wiley Online Library

Newer aspects of the synthesis and chemistry of nitroxide ...

Nitronyl nitroxide monoradicals and biradicals as possible small molecule spin labels Journal of the American Chemical Society Ullman , Osiecki , Boocock , Darcy

A Cytidine Phosphoramidite with Protected Nitroxide Spin ...

A Cytidine Phosphoramidite with Protected Nitroxide Spin Label: Synthesis of a Full-Length TAR RNA and Investigation by In-Line Probing and EPR Spectroscopy Timo Weinrich Institute for Organic Chemistry and Chemical Biology, Goethe University Frankfurt, Max-von-Laue-Strasse 7, 60438 Frankfurt am Main, Germany

Nitroxide Spin Labels: Reactions in Biology and Chemistry ...

Nitroxide Spin Labels: Reactions in Biology and Chemistry: Amazon.co.uk: Nickolai Kocherginsky, Harold M. Swartz: Books

The Chemistry and Biology of Nitroxide Compounds

Peroxidase activity. The ability of stable nitroxide radicals to detoxify hypervalent heme proteins such as ferrylmyoglobin (MbFe IV) produced in the reaction of metmyoglobin (MbFe III) and H₂O₂ was evaluated by monitoring O₂ evolution, H₂O₂ depletion, and redox changes of the heme prosthetic group.