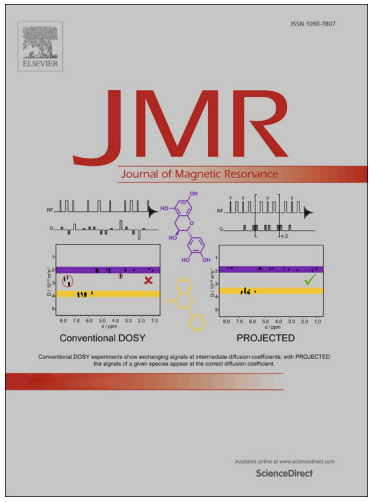
Accepted Manuscript



A Triarylmethyl Spin Label for Long-Range Distance Measurement at Physiological Temperatures Using T_1 Relaxation Enhancement

Zhongyu Yang, Michael D. Bridges, Carlos J. López, Olga Yu. Rogozhnikova, Dmitry V. Trukhin, Evan K. Brooks, Victor Tormyshev, Howard J. Halpern, Wayne L. Hubbell

PII: S1090-7807(16)30049-0
DOI: http://dx.doi.org/10.1016/j.jmr.2016.05.006
Reference: YJMRE 5869

To appear in: *Journal of Magnetic Resonance*

Received Date: 16 February 2016
Revised Date: 9 May 2016
Accepted Date: 10 May 2016

Please cite this article as: Z. Yang, M.D. Bridges, C.J. López, O.Y. Rogozhnikova, D.V. Trukhin, E.K. Brooks, V. Tormyshev, H.J. Halpern, W.L. Hubbell, A Triarylmethyl Spin Label for Long-Range Distance Measurement at Physiological Temperatures Using T_1 Relaxation Enhancement, *Journal of Magnetic Resonance* (2016), doi: http://dx.doi.org/10.1016/j.jmr.2016.05.006

Communication

A Triarylmethyl Spin Label for Long-Range Distance Measurement at Physiological Temperatures Using T_1 Relaxation Enhancement

Zhongyu Yang,[1†] Michael D. Bridges,[1] Carlos J. López,[1] Olga Yu. Rogozhnikova,[2,3] Dmitry V. Trukhin,[2,3] Evan K. Brooks,[1] Victor Tormyshev,[*,2,3] Howard J. Halpern,[*,4] and Wayne L. Hubbell[*,1]

1. Jules Stein Eye Institute and Department of Chemistry and Biochemistry, University of California, Los Angeles, Los Angeles, CA, 90095
2. N.N. Vorozhtsov Novosibirsk Institute of Organic Chemistry, Novosibirsk 630090, Russia
3. Novosibirsk State University, Novosibirsk 630090, Russia
4. The Center for EPR Imaging in vivo Physiology, Department of Radiation and Cellular Oncology, University of Chicago, Chicago, IL 60637, USA

†*Present address*: Department of Chemistry and Biochemistry, North Dakota State University, Fargo, ND, 58102

Corresponding Authors. *E-mail: torm@nioch.nsc.ru
*E-mail: h-halpern@uchicago.edu
*E-mail: hubbellw@jsei.ucla.edu Phone: (310) 206-8830