

**A Steroid-Conjugated Magnetic Resonance Probe Enhances Contrast in Progesterone
Receptor Expressing Organs and Tumors *In Vivo***

Preeti A. Sukerkar¹, Keith W. MacRenaris¹, Thomas J. Meade^{1*}, Joanna E. Burdette^{2*}

¹Department of Chemistry, Department of Molecular Biosciences, Department of Neurobiology and Physiology, and Department of Radiology, Northwestern University, Evanston, Illinois, 60201

²Department of Medicinal Chemistry and Pharmacognosy, University of Illinois at Chicago, Chicago, 60612

*Corresponding Authors:

Thomas J. Meade, PhD

Department of Chemistry, Molecular Biosciences, Neurobiology and Physiology, and Radiology
Northwestern University, 2145 Sheridan Road, Evanston, IL 60208.

E-mail: tmeade@northwestern.edu

Joanna E. Burdette, PhD

College of Pharmacy

Department of Medicinal Chemistry and Pharmacognosy

University of Illinois at Chicago

900 South Ashland, Chicago, IL 60612

Email: joannab@uic.edu

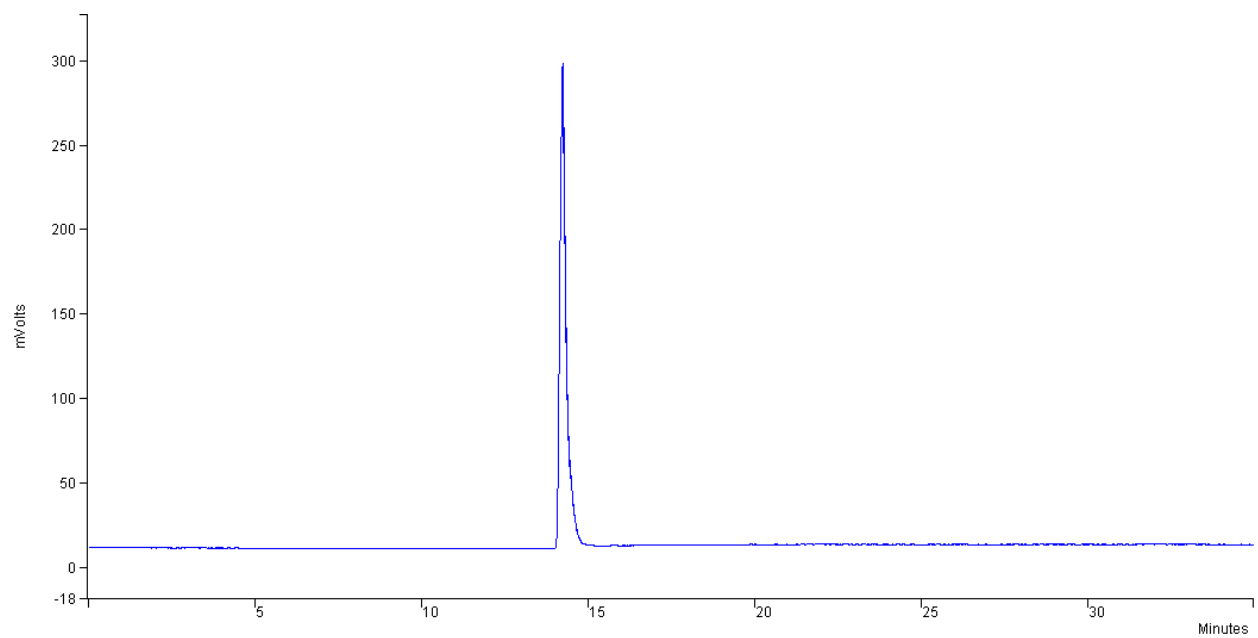


Figure S1. Analytical HPLC trace of purified Gd-DO3A.

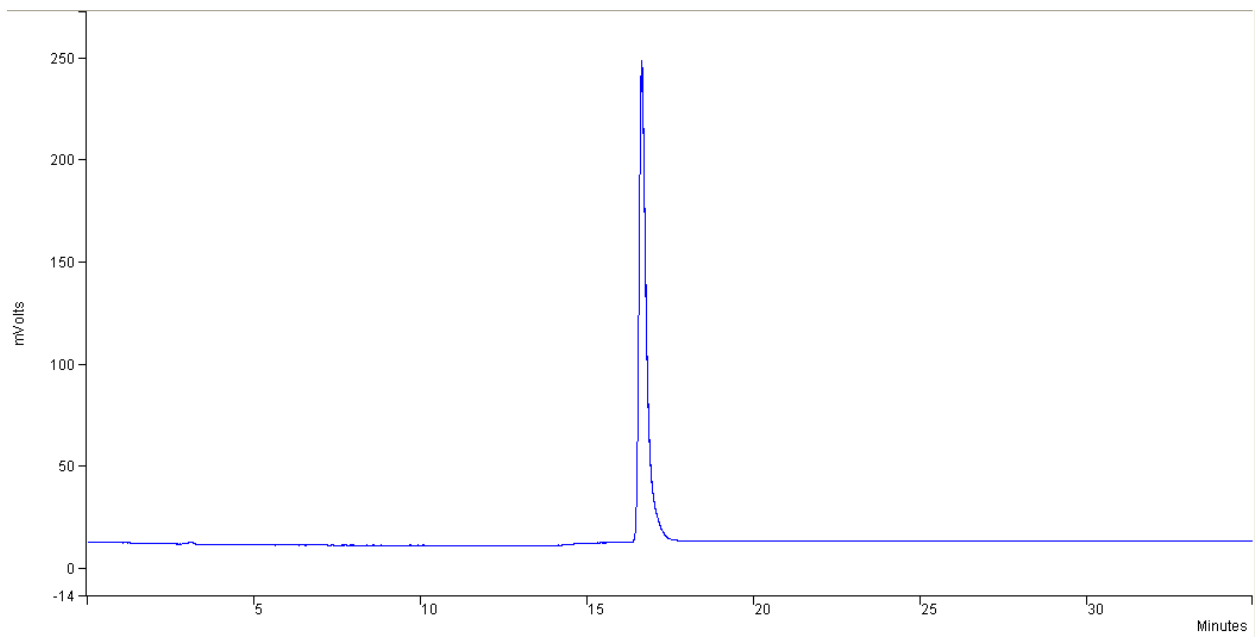


Figure S2. Analytical HPLC trace of purified Gd-Hexyl-DO3A.

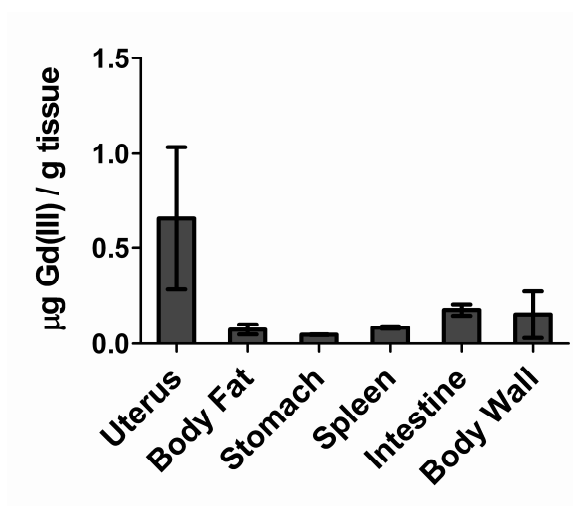


Figure S3. Accumulation of Gd(III) in various abdominal tissues after injection of ProGlo. Gd(III) levels in these tissues were lower than in the uterus.