Supporting Information

Hexylether Derivative of Pyropheophorbide-a (HPPH) on Conjugating with

3Gadolinium(III) Aminobenzyldiethylenetriaminepentaacetic Acid Shows Potential

for In vivo Tumor-Imaging (MR, Fluorescence) and Photodynamic Therapy

Lalit N. Goswami¹, William H. White III¹, Joseph A. Spernyak², Manivannan Ethirajan¹,

Yihui Chen¹, Joseph R. Missert¹, Janet Morgan³, Richard Mazurchuk²

and Ravindra K. Pandey^{1,*}

¹PDT Center, ²Cell Stress Biology and MRI Facility, ³Department of Dermatology,

Roswell Park Cancer Institute, Buffalo, NY 14263

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S6-7: Localization data for HPPH-3Gd

All of the following MR images were attained using Ward tumors in Fischer rats with a T1-weighted CHESS scan (TE/TR 10/356). Chemical Structures of the conjugates are provided along with the MR images.

S1: Paper Title and Author InformationS2-5: Chemical Structures and Corresponding MR images



















In Vitro Subcellular Localization Data



Supplementary information False-color images of conjugate **3** (red) in Colon26 cells after 4h (left columns) or 24 h (right columns) incubations. Top row: overlay of conjugate **3**, probe (green) and DAPI (blue). Areas of co-localization with organelle probes are indicated by yellow. Second row: conjugate **3**. Third row: probes, left MitoTracker Green; right, LysoTracker Green. Bottom Row: DAPI. Little co-localization observed with Mitotracker Green or Lysotracker Green after 4 h incubation, and a small amount after 24 h incubation.

Summary of Subcellular localization of conjugate **3** after 4 and 24 h incubation with Colon26 murine colon carcinoma *in vitro*

Photosensitizer	PS coincident	PS coincident	PS coincident
	with	with	with
Conjugate 3	Mitochondria	Lysosomes	Golgi
	Mitotracker	Lysotracker	Bodipy-
	Green	Green	ceramide C5
	(MTG)	(LTG)	(Bodipy-C5)
	Orange/Yellow	Orange/Yellow	Orange/Yellow
4 h incubation	+	-	++++
24 h incubation	+	++	++++
medoution			
HPPH			
24 h incubation	++++		