

Additional file 4 – Physical properties of rhodamine B Gd-PAMAM dendrimers

Rhodamine B Gd-dendrimer generation	No. terminal amines	Molecular weight [#] (kD)	Gd-DTPA Conjugation %	Rhodamine B Conjugation %	Molar Relaxivity (s/mM)
G2	16	11.2	42.7	6.6	n/a
G5	128	75.0	36.5	7.9	9.2
G8	1024	540 [‡]	31.2	6.6	9.2

[#]obtained from Dendritech, Inc.

[‡]measured by ADF STEM