Supplementary Information for

Technetium-99m complexes of L-arginine derivatives for targeting amino acid transporters

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Figure S1. RP-HPLC chromatograms of $L^1$ and $L^2$. Macherey-Nagel C18 reversed-phase column (Nucleosil 100-5, 250 x 3 mm) with a flow rate of 0.5 mL/min. Eluents: aqueous 0.1 % CF$_3$CO$_2$H/MeOH. Gradient: t = 0-5 min: 10 % MeOH; 5-30 min: 10→100 % MeOH; 30-34 min: 100 % MeOH; 34-35 min: 100→10 % MeOH; 35-40 min: 10 % MeOH. Detection: $\lambda = 220$ nm.
Figure S2. Assigned $^1$H and $^{13}$C-NMR spectra of $L^1$. 

NMR SPECTRA

$^1$H-NMR spectrum

$^{13}$C-NMR spectrum

Figure S2. Assigned $^1$H and $^{13}$C-NMR spectra of $L^1$. 

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Figure S3. Assigned $^1$H and $^{13}$C-NMR spectra of $\text{L}^2$. 
Figure S4. RP-HPLC chromatograms of Tc1 and Tc2. Macherey-Nagel C18 reversed-phase column (Nucleosil 100-5, 250 x 3 mm) with a flow rate of 0.5 mL/min. Eluents: aqueous 0.1 % CF₃CO₂H/MeOH. Gradient: t = 0-5 min: 10 % MeOH; 5-30 min: 10→100 % MeOH; 30-34 min: 100 % MeOH; 34-35 min: 100→10 % MeOH; 35-40 min: 10 % MeOH. γ detection.
Figure S5. Stability of Tc1 and Tc2. RP-HPLC chromatograms of Tc1 and Tc2 in phosphate buffered saline (PBS) pH 7.4 (A) and in PBS pH 7.4 with a 100 fold excess histidine (B) after 24 h at 37°C. Macherey-Nagel C18 reversed-phase column (Nucleosil 100-5, 250 x 3 mm) with a flow rate of 0.5 mL/min. Eluents: aqueous 0.1 % CF₃CO₂H/MeOH. Gradient: t = 0-5 min: 10 % MeOH; 5-30 min: 10→100 % MeOH; 30-34 min: 100 % MeOH; 34-35 min: 100→10 % MeOH; 35-40 min: 10 % MeOH. γ detection.
Figure S6. RP-HPLC analytical chromatograms of Re1 (UV detection, 220 nm) and Tc1 (γ-detection).