

Click Chemistry in the Design and Production of Hybrid Tracers

Supporting Information

Albertus W. Hensbergen,¹ Danny M. van Willigen,¹ Mick M. Welling,¹ Felicia A. van der Wijk,¹ Clarize M. de Korne,¹ Matthias N. van Oosterom,¹ Margret Schottelius,² Hans-Jürgen Wester,² Tessa Buckle,¹ Fijs W. B. van Leeuwen^{1,*}

¹Interventional Molecular Imaging Laboratory, Department of Radiology, Leiden University Medical Center, Leiden, The Netherlands.

²Pharmaceutical Radiochemistry, Technische Universität München, Garching, Germany

*Corresponding Author: F.W.B. van Leeuwen, email: F.W.B.van_Leeuwen@lumc.nl

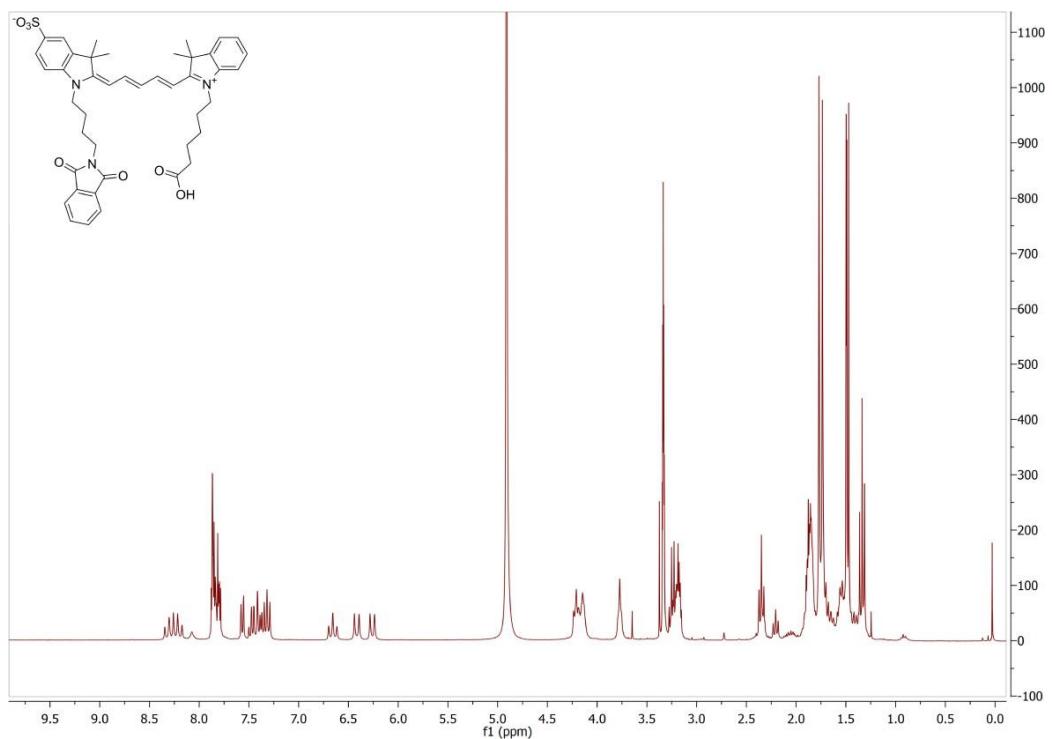


Figure SI1. ¹H NMR spectrum of Phth-(SO₃)Cy5-COOH

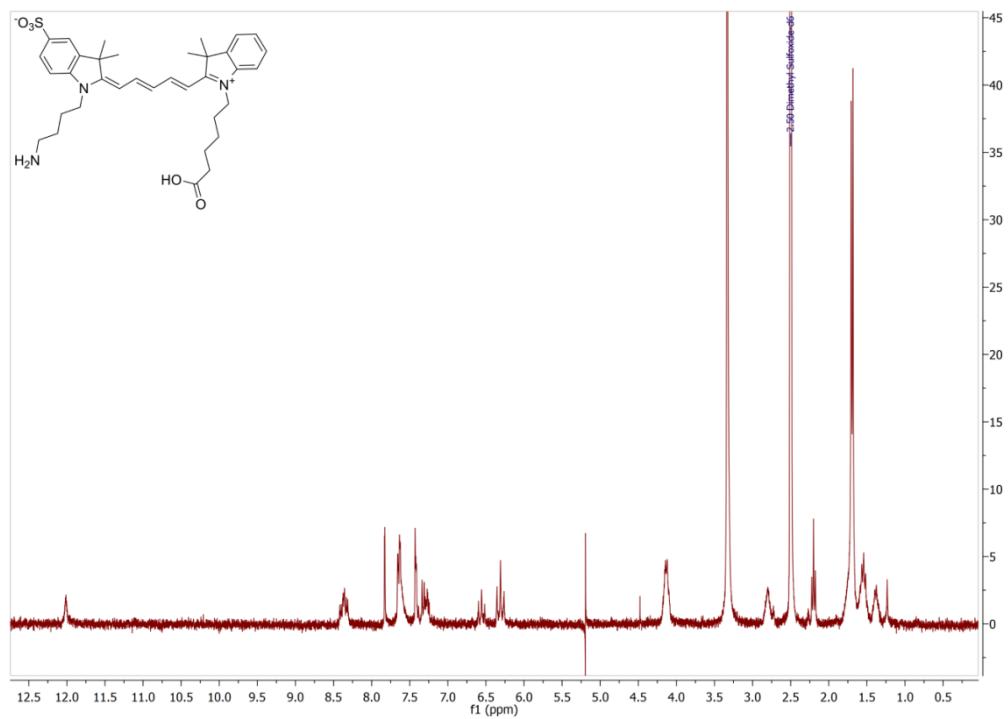


Figure SI1. ¹H NMR spectrum of H₂N-(SO₃)Cy5-COOH

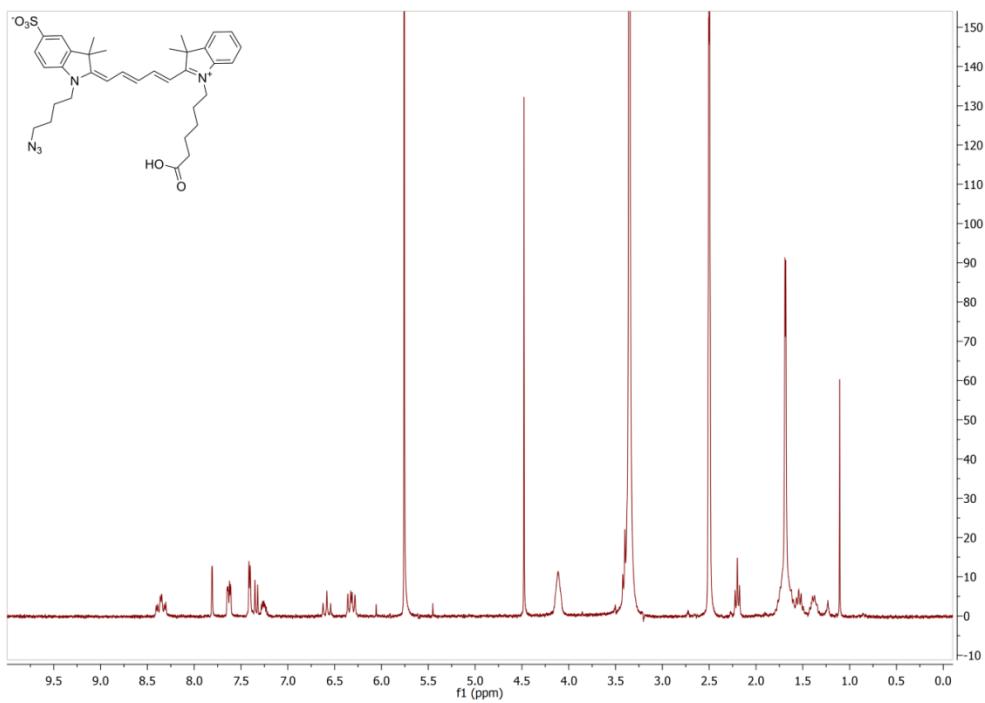


Figure SI2. ^1H NMR spectrum of $\text{N}_3\text{-}(\text{SO}_3)\text{Cy5-COOH}$

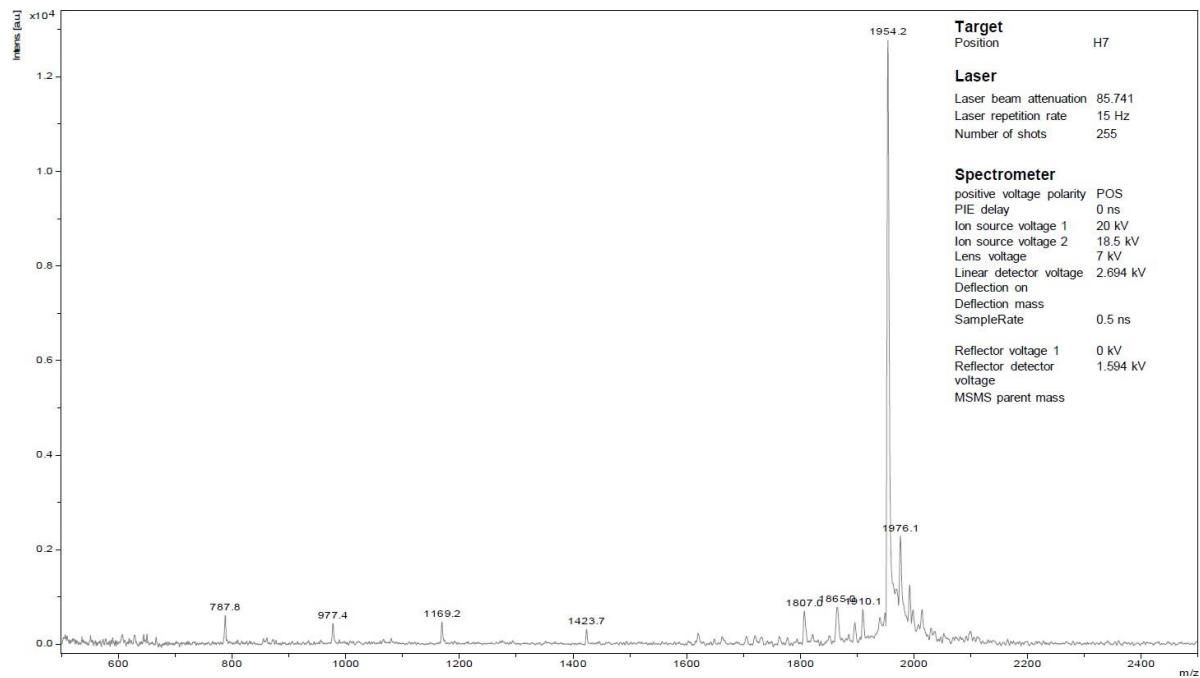


Figure SI4. Mass spectrum of DTPA-Lys(Cy5(SO_3)methyl)-Cys-c[RGDyK]

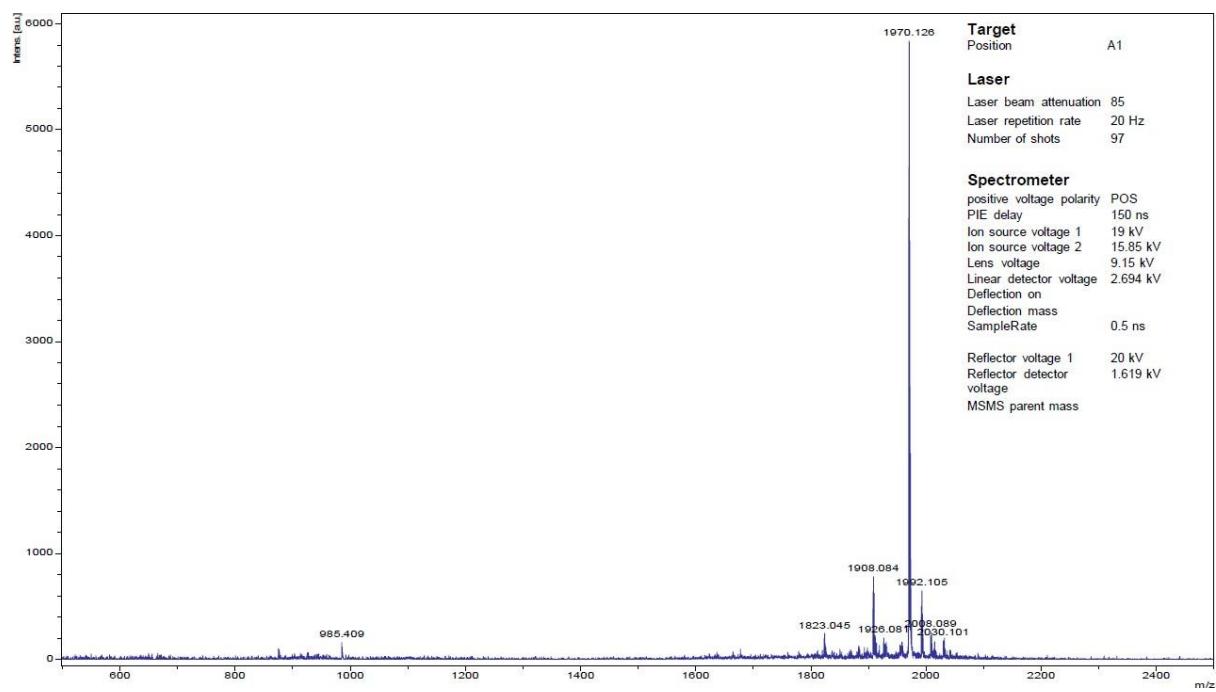


Figure S15. Mass spectrum of DTPA.DBCO.N₃(SO₃)-Cy5-c[RGDyK]

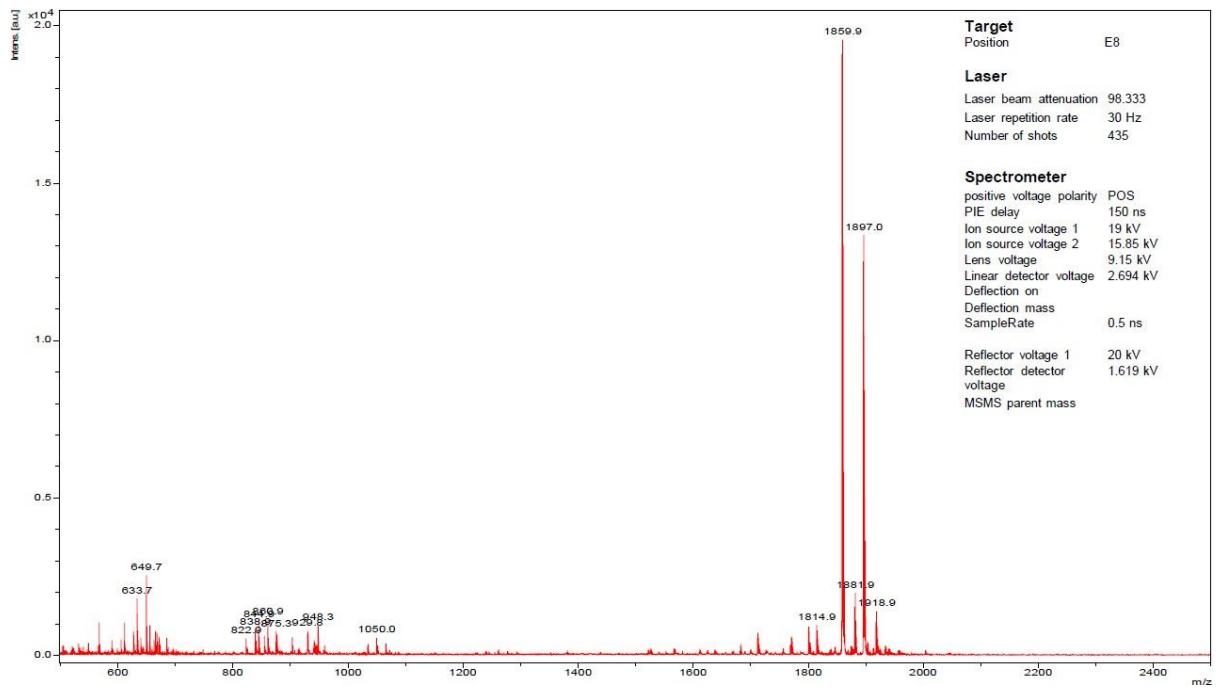


Figure S16. Mass spectrum of DTPA.BCN.N₃(SO₃)-Cy5-c[RGDyK]

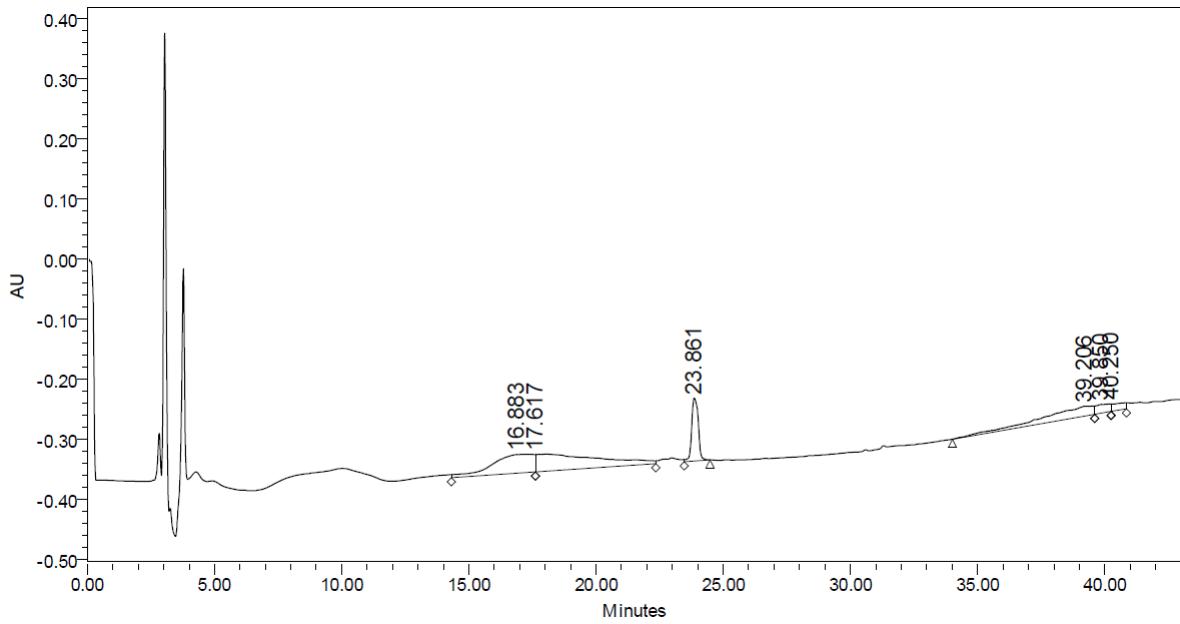


Figure SI7. Analytical HPLC chromatogram (220 nm) of DTPA.DBCO.N₃(SO₃)-Cy5-c[RGDyK]

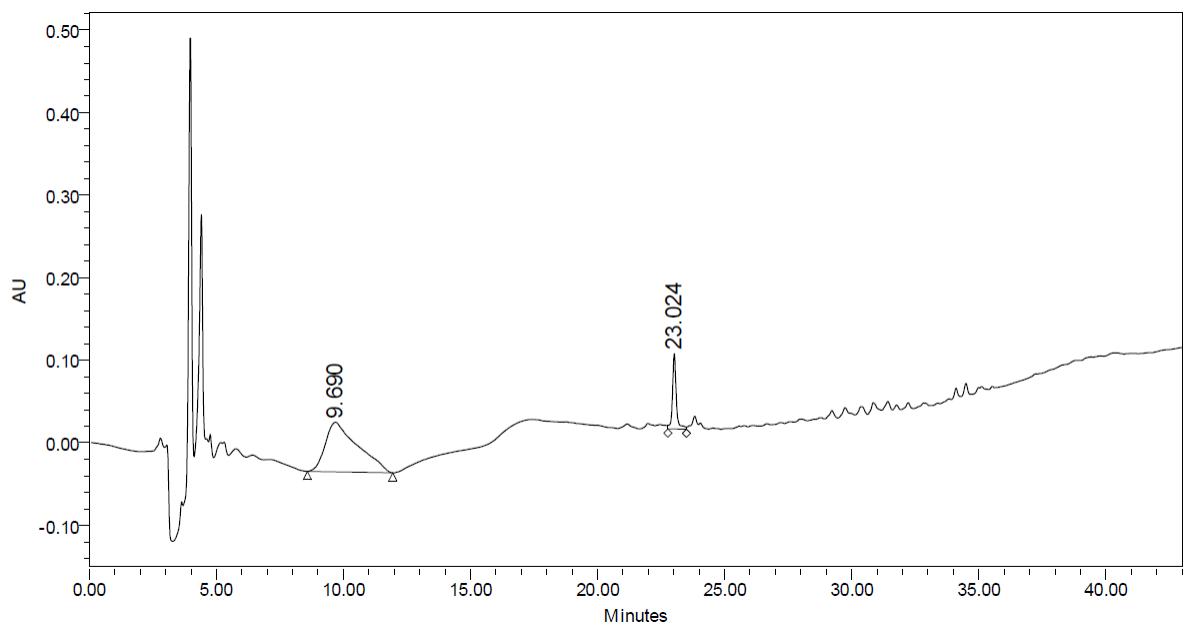


Figure SI8. Analytical HPLC chromatogram (220 nm) of DTPA.BCN.N₃(SO₃)-Cy5-c[RGDyK]