Supporting Material Information

Evaluation of Polymethine Dyes as Potential Probes for Near Infrared Fluorescence Imaging of Tumors: Part – 1.

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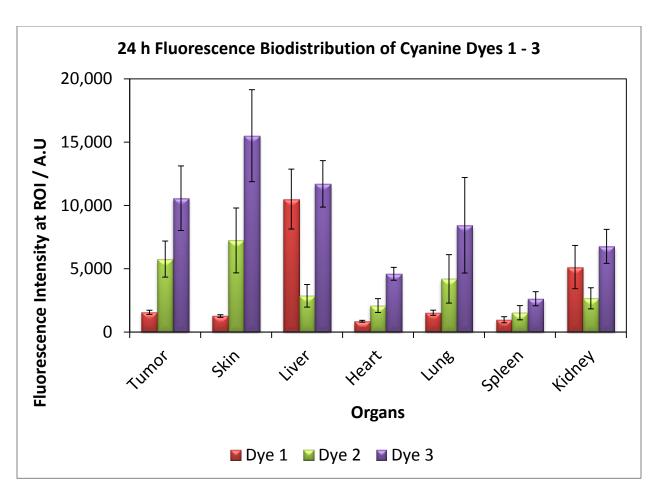


Figure 1: Ex *vivo* fluorescence biodistribution of NIRFs **1–3** at 24h post injection, in various tissues (tumor, skin, liver, heart, lung, spleen and kidney). Note: The biodistribution of the cyanine dye **4** is not shown due to its weak *in vivo* fluorescence.

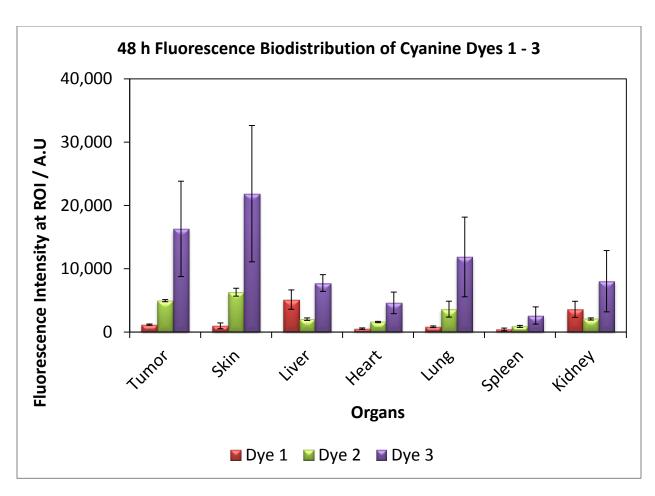


Figure 2: Ex *vivo* fluorescence biodistribution of NIRFs **1–3** at 48h post injection, in various tissues (tumor, skin, liver, heart, lung, spleen and kidney). Note: The biodistribution of the cyanine dye **4** is not shown due to its weak *in vivo* fluorescence.

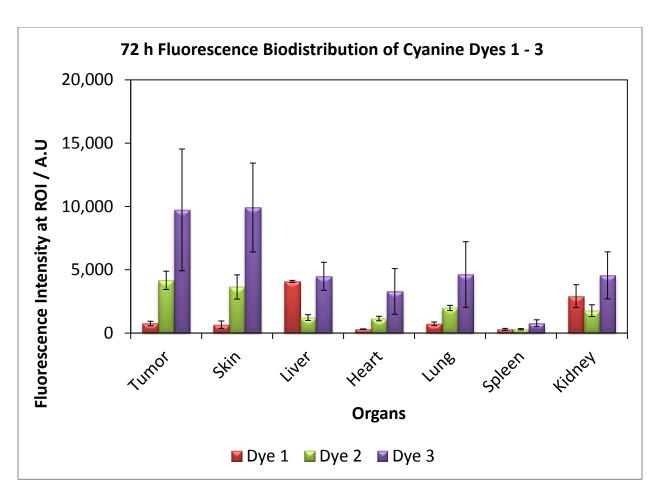


Figure 3: Ex *vivo* fluorescence biodistribution of NIRFs **1–3** at 72h post injection, in various tissues (tumor, skin, liver, heart, lung, spleen and kidney). Note: The biodistribution of the cyanine dye **4** is not shown due to its weak *in vivo* fluorescence.

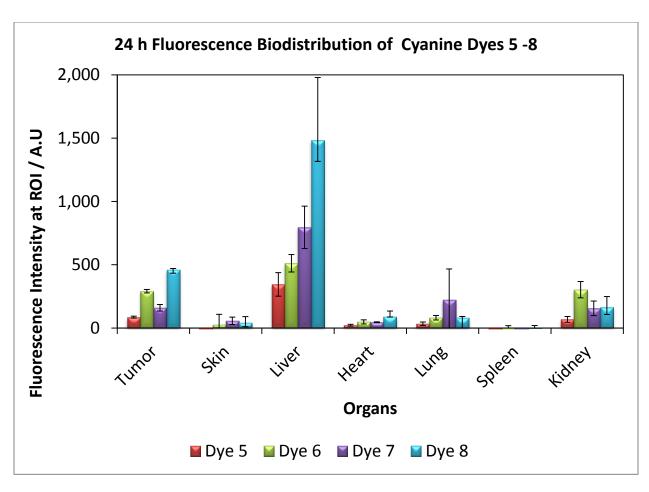


Figure 4: Ex *vivo* fluorescence biodistribution of NIRFs **5-8** at 24h post injection, in various tissues (tumor, skin, liver, heart, lung, spleen and kidney). Note: The biodistribution of the cyanine dyes **9** and **10** are not shown due to their weak *in vivo* fluorescence.

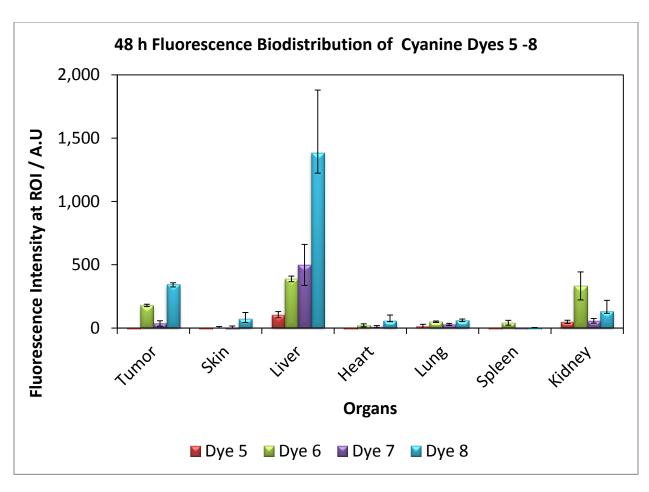


Figure 5: Ex *vivo* fluorescence biodistribution of NIRFs **5-8** at 48h post injection, in various tissues (tumor, skin, liver, heart, lung, spleen and kidney). Note: The biodistribution of the cyanine dye **9** and **10** are not shown due to their weak *in vivo* fluorescence.

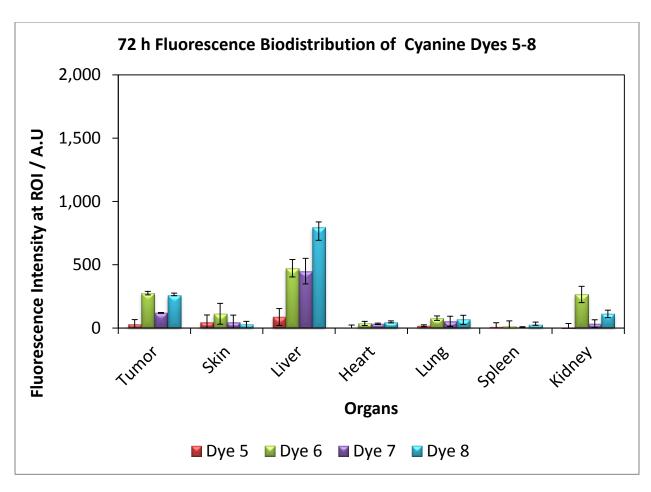


Figure 6: Ex *vivo* fluorescence biodistribution of NIRFs **5-8** at 72h post injection, in various tissues (tumor, skin, liver, heart, lung, spleen and kidney). Note: The biodistribution of the cyanine dyes **9** and **10** are not shown due to their weak *in vivo* fluorescence.

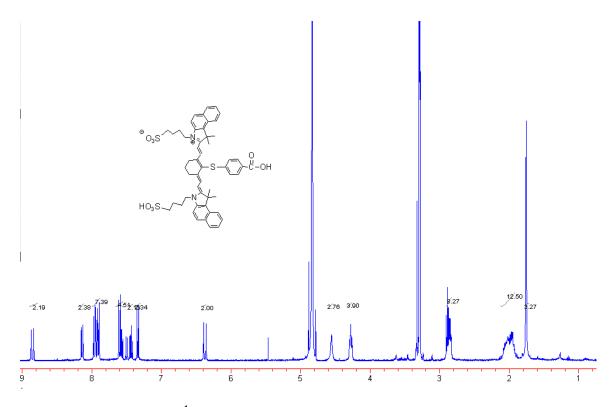


Figure 7: ¹H NMR spectrum of Near Infrared fluorophore (NIRF) 5

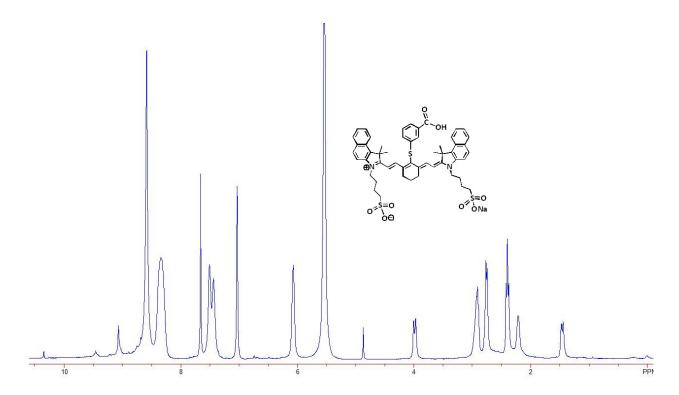


Figure 8: ¹H NMR spectrum of Near Infrared fluorophore (NIRF) **7**

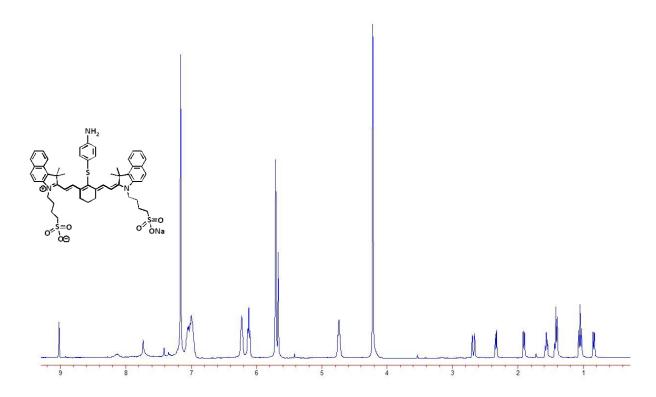


Figure 9: ¹H NMR spectrum of Near Infrared fluorophore (NIRF) 8

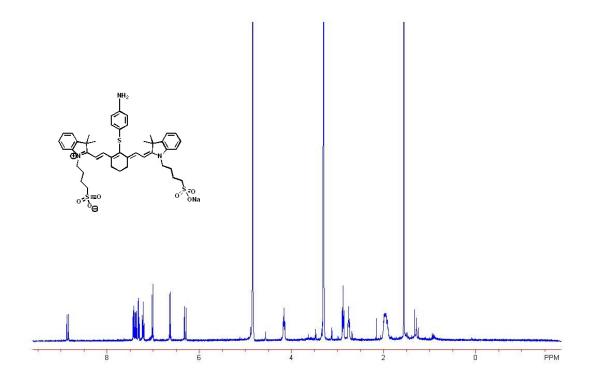


Figure 10: ¹H NMR spectrum of Near Infrared fluorophore (NIRF) 9

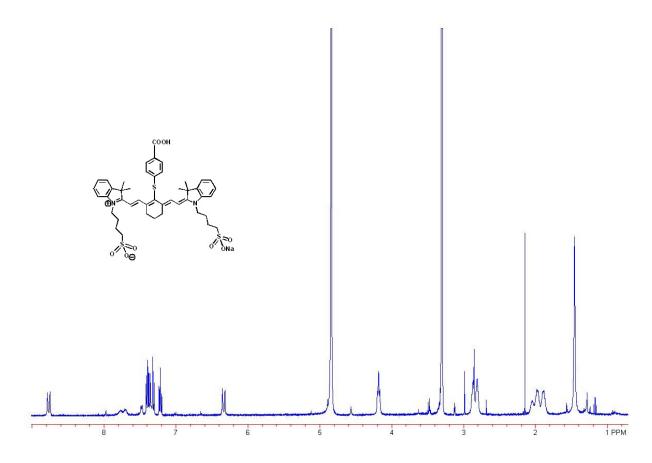


Figure 11: ¹H NMR spectrum of Near Infrared fluorophore (NIRF) 10