SUPPLEMENTARY MATERIALS

Visualizing Chemical Structure-Subcellular Localization Relationships Using Fluorescent Small Molecules as Probes of Cellular Transport

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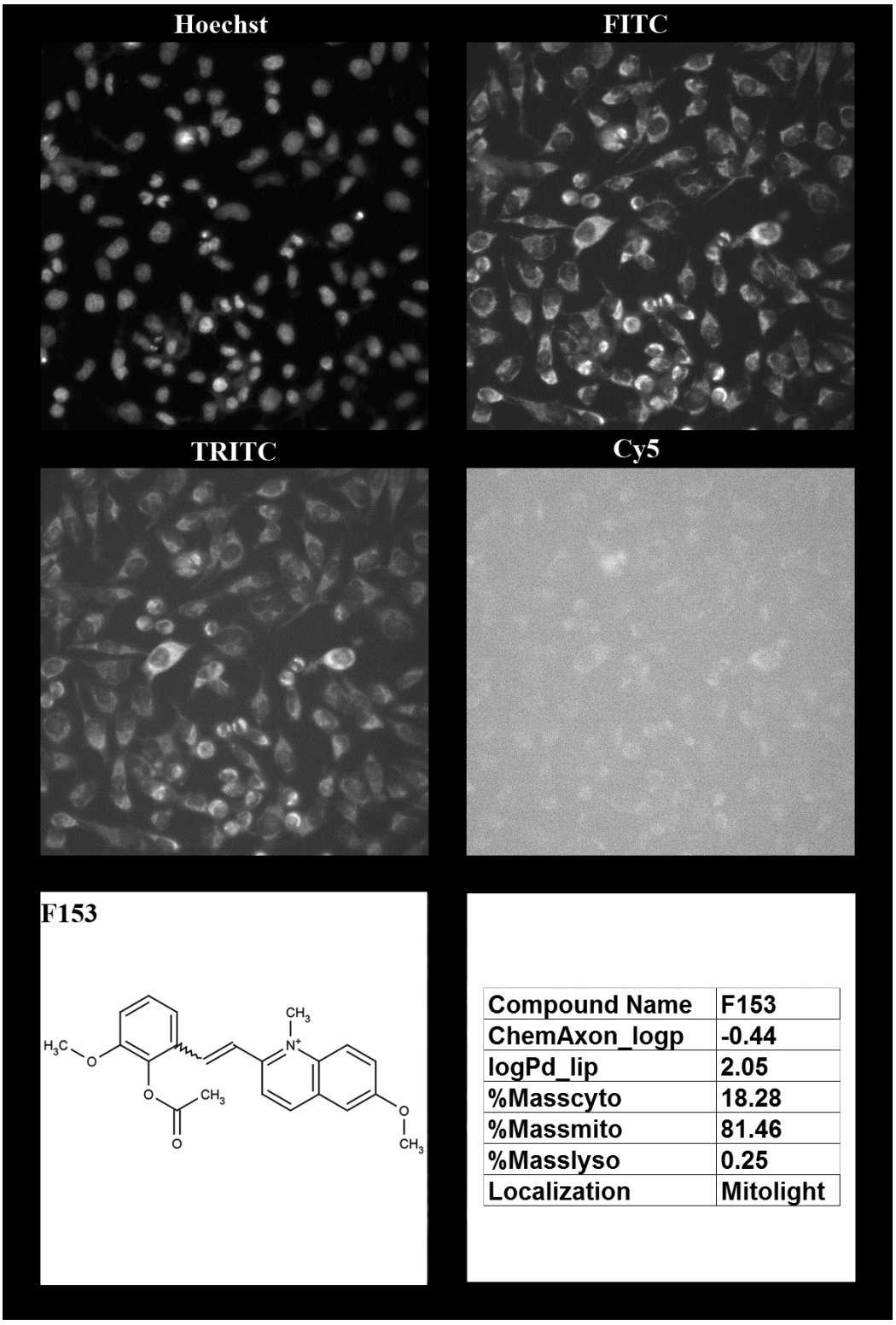
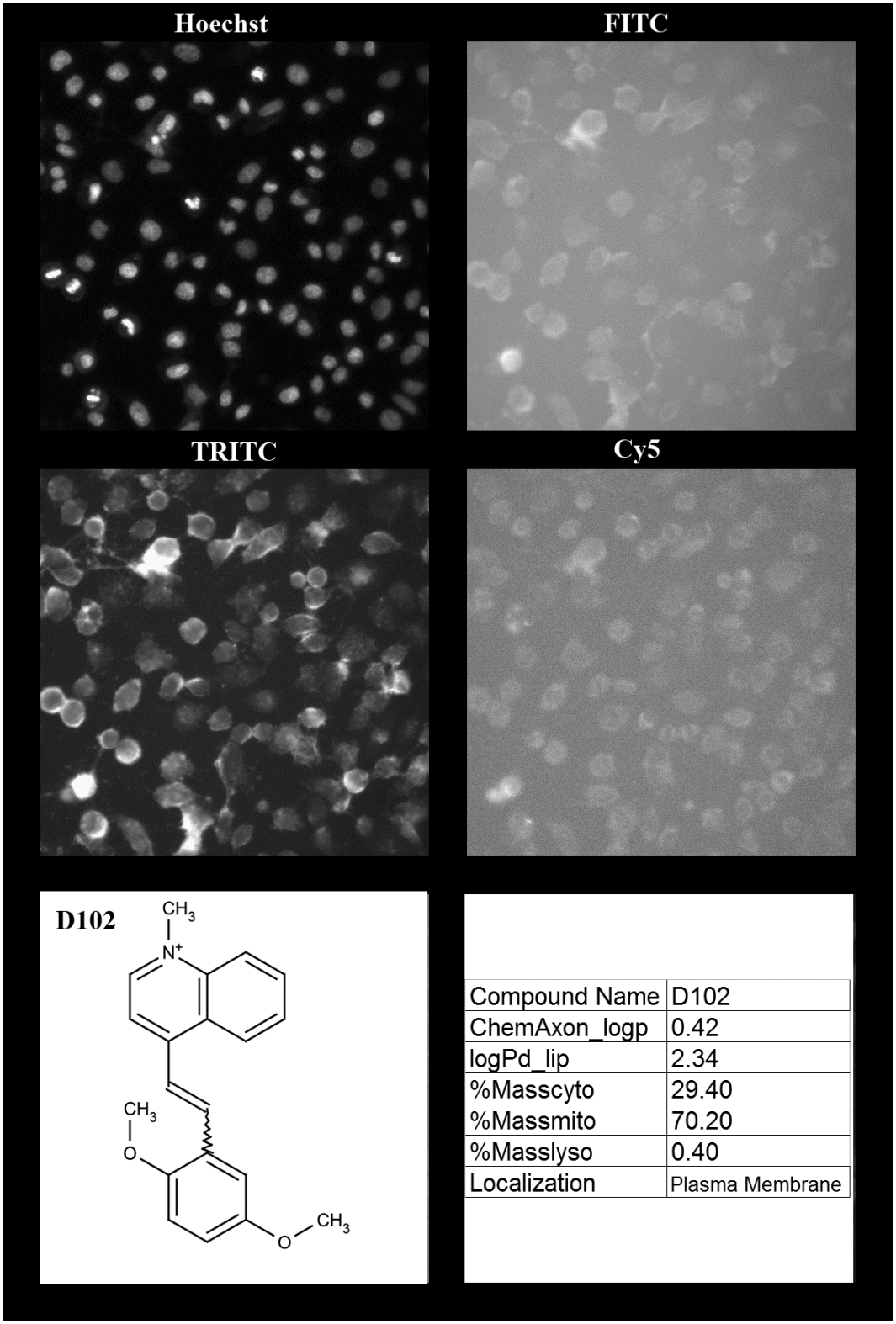


Figures S1. Compound 1 (from Figure 3).



Compound Name	D102
ChemAxon_logp	0.42
logPd_lip	2.34
%Masscyto	29.40
%Massmito	70.20
%Masslyso	0.40
Localization	Plasma Membrane

Figure S2. Compound 2 from figure 3.

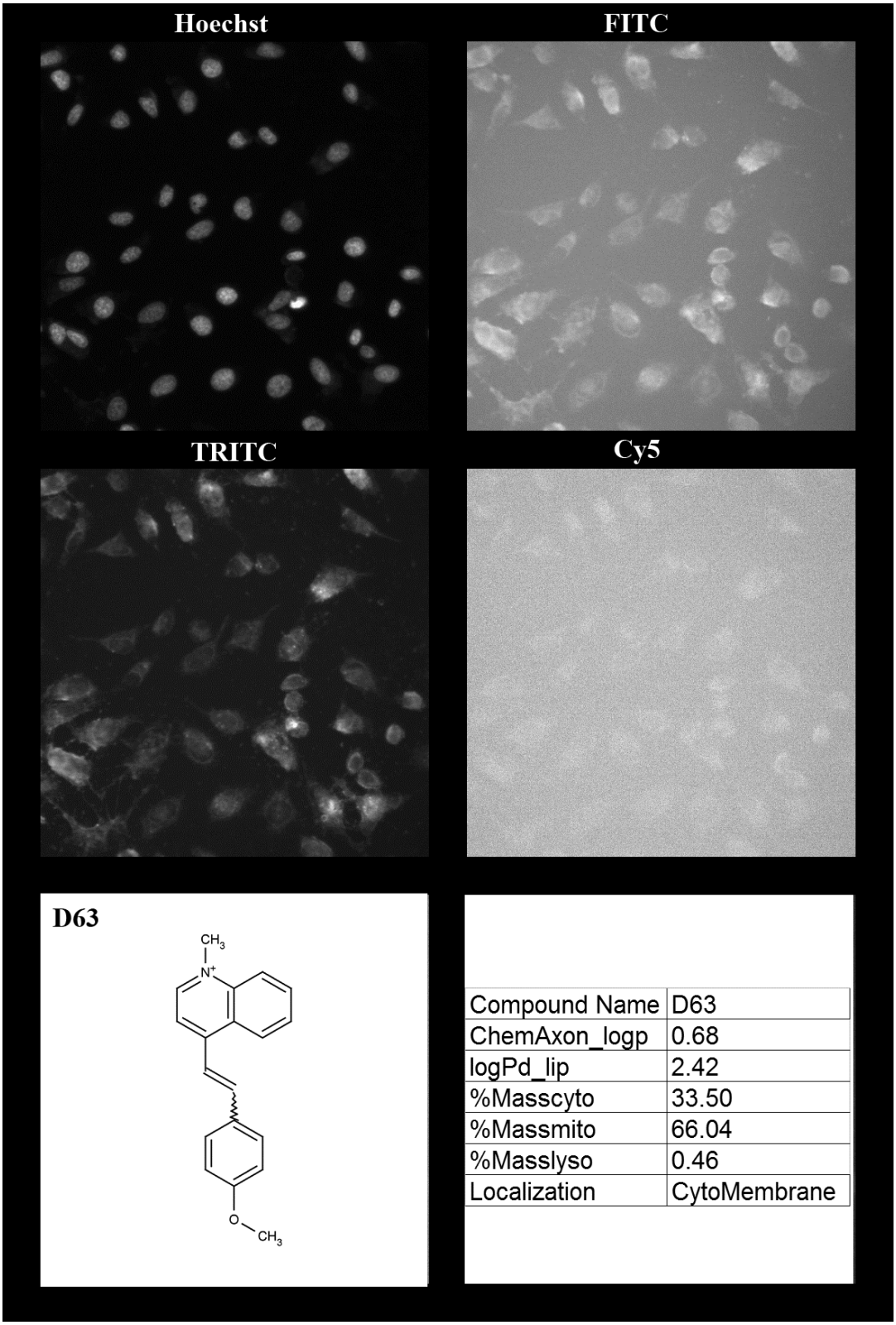
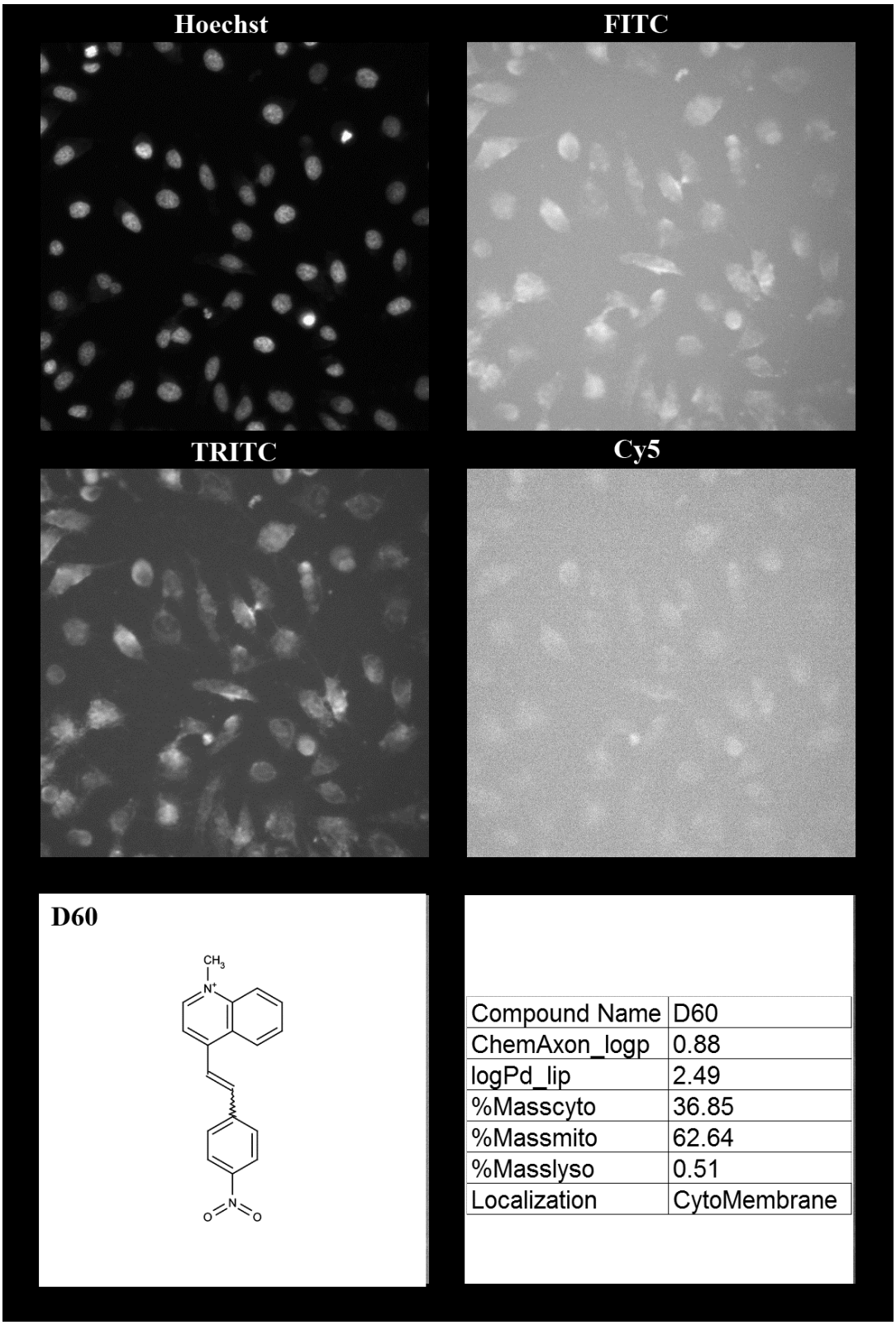
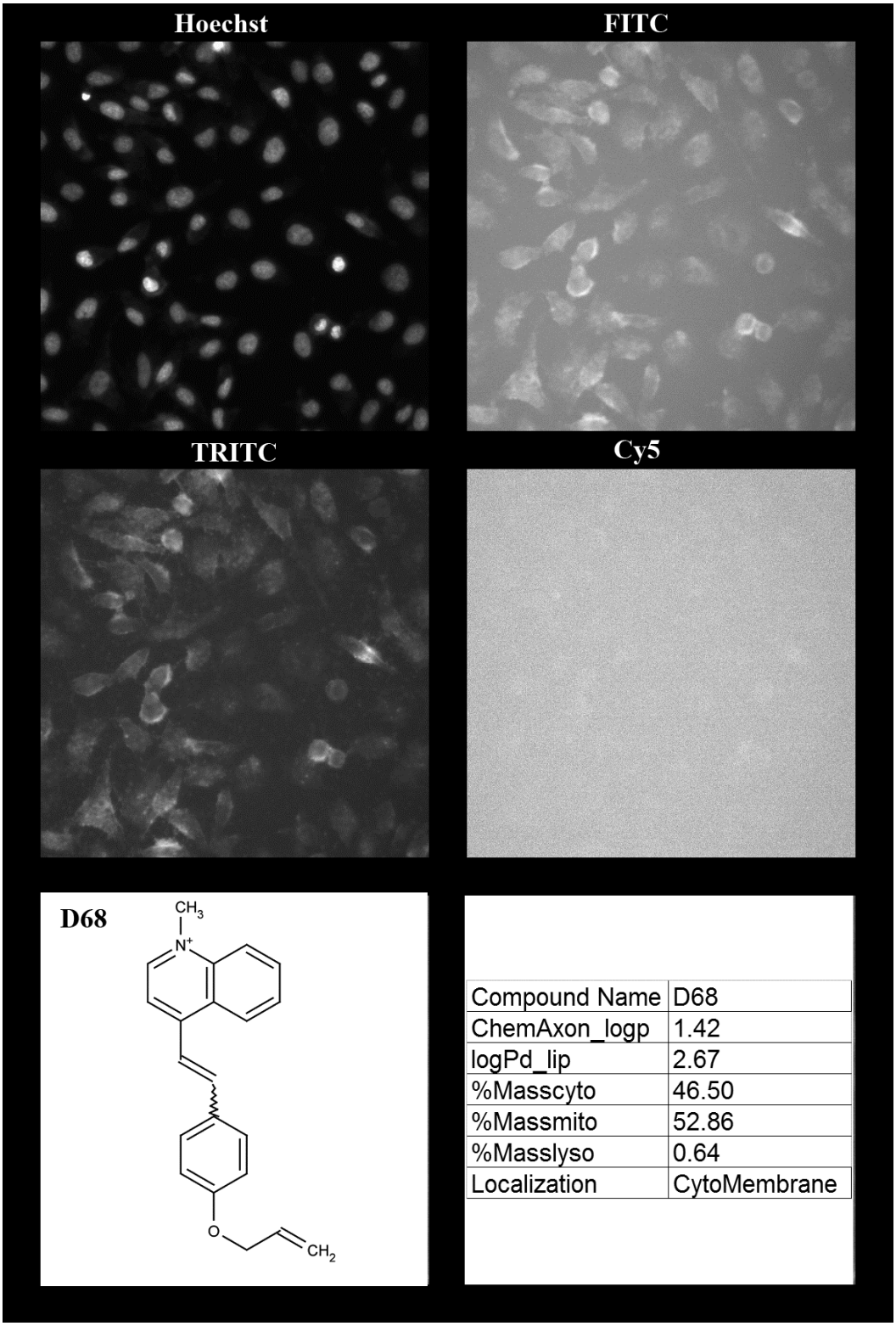


Figure S3. Compound 3 from Figure 3.



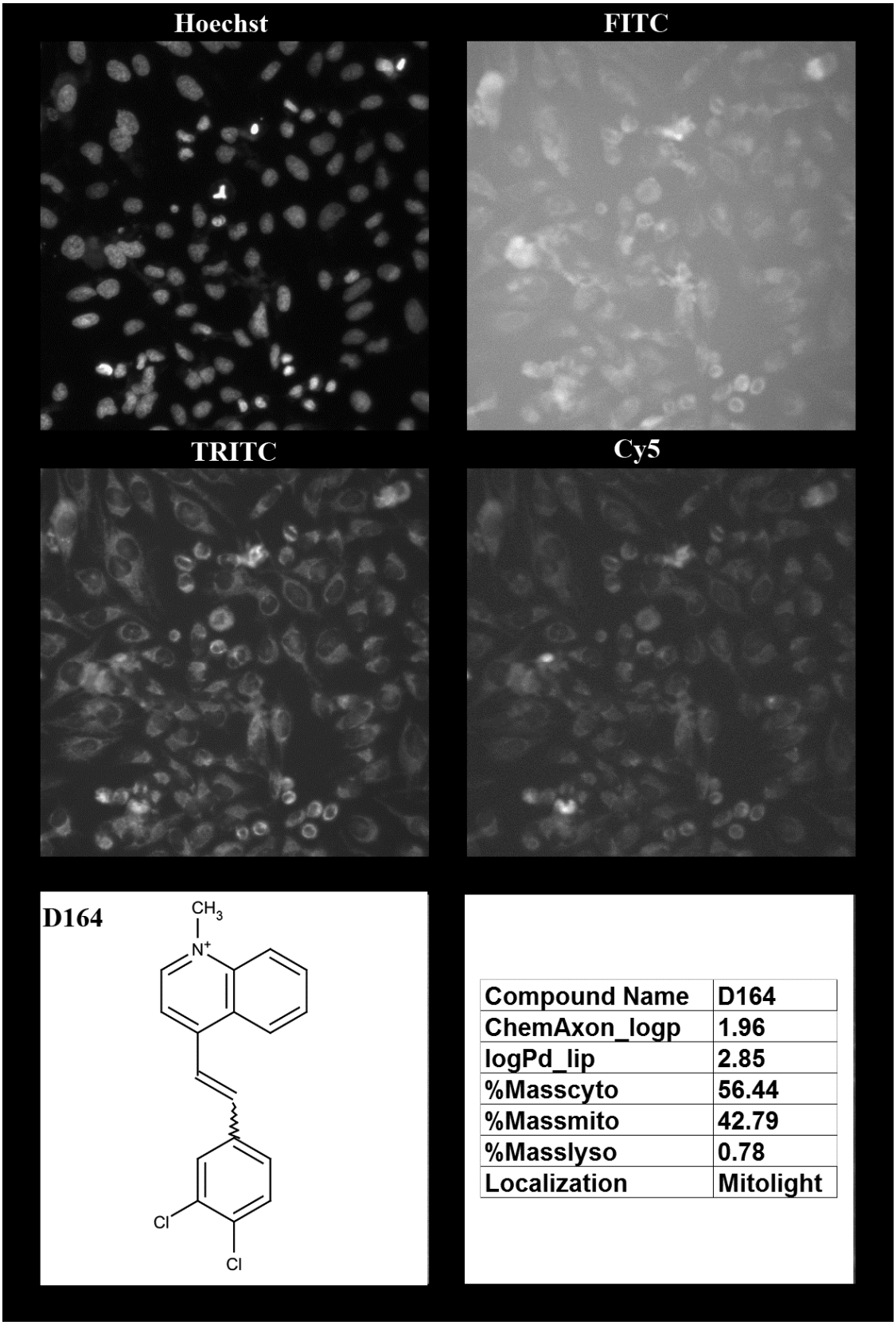
Compound Name	D60
ChemAxon_logp	0.88
logPd_lip	2.49
%Masscyto	36.85
%Massmito	62.64
%Masslyso	0.51
Localization	CytoMembrane

Figure S4: Compound 4 from figure 3.



Compound Name	D68
ChemAxon_logp	1.42
logPd_lip	2.67
%Masscyto	46.50
%Massmito	52.86
%Masslyso	0.64
Localization	CytoMembrane

Figure S5. Compound 5 from figure 3.



Compound Name	D164
ChemAxon_logp	1.96
logPd_lip	2.85
%Masscyto	56.44
%Massmito	42.79
%Masslyso	0.78
Localization	Mitolight

Figure S6. Compound 6 from figure 3.

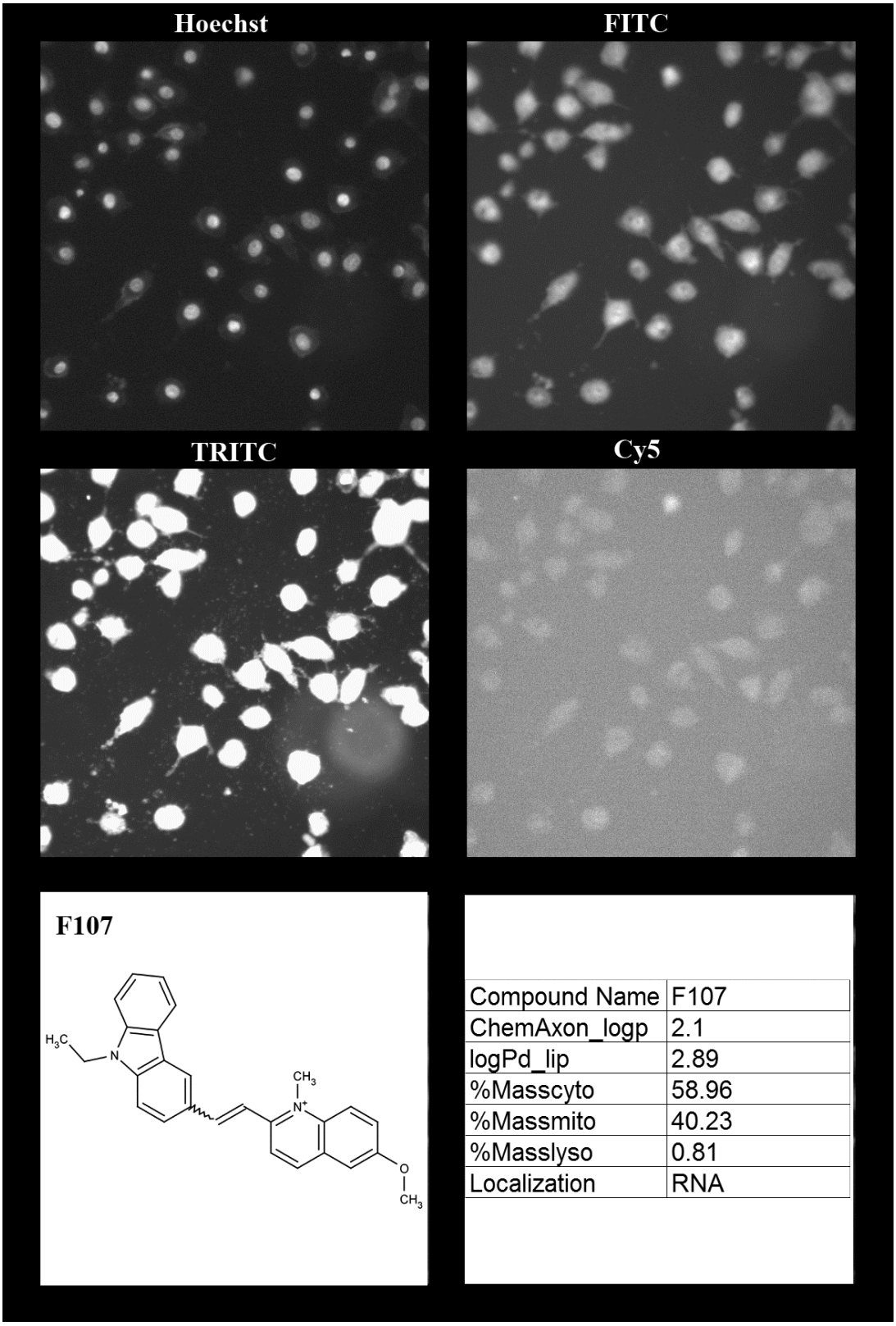
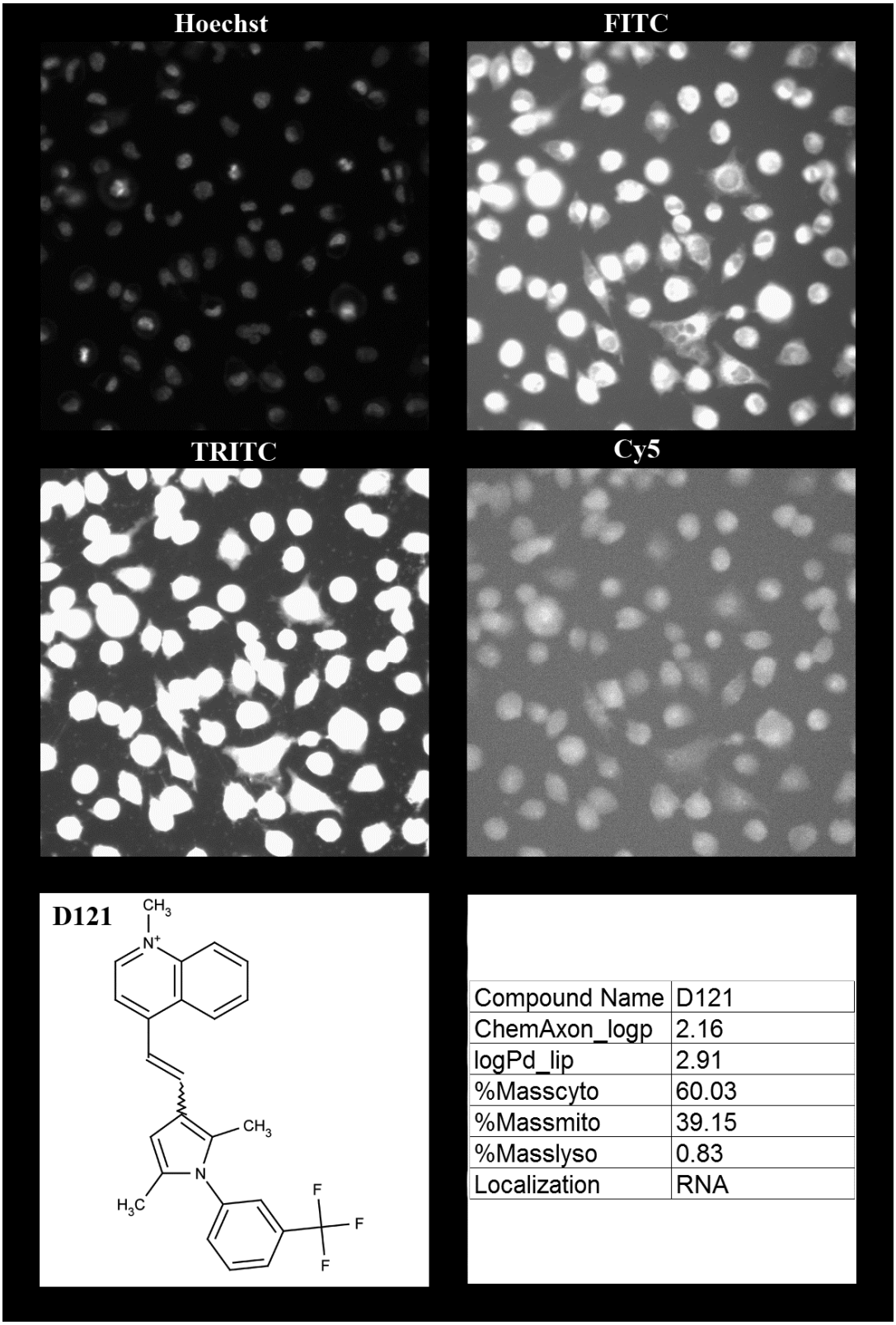


Figure S7. Compound 7 from figure 3.



Compound Name	D121
ChemAxon_logp	2.16
logPd_lip	2.91
%Masscyto	60.03
%Massmito	39.15
%Masslyso	0.83
Localization	RNA

Figure S8. Compound 8 from figure 3.

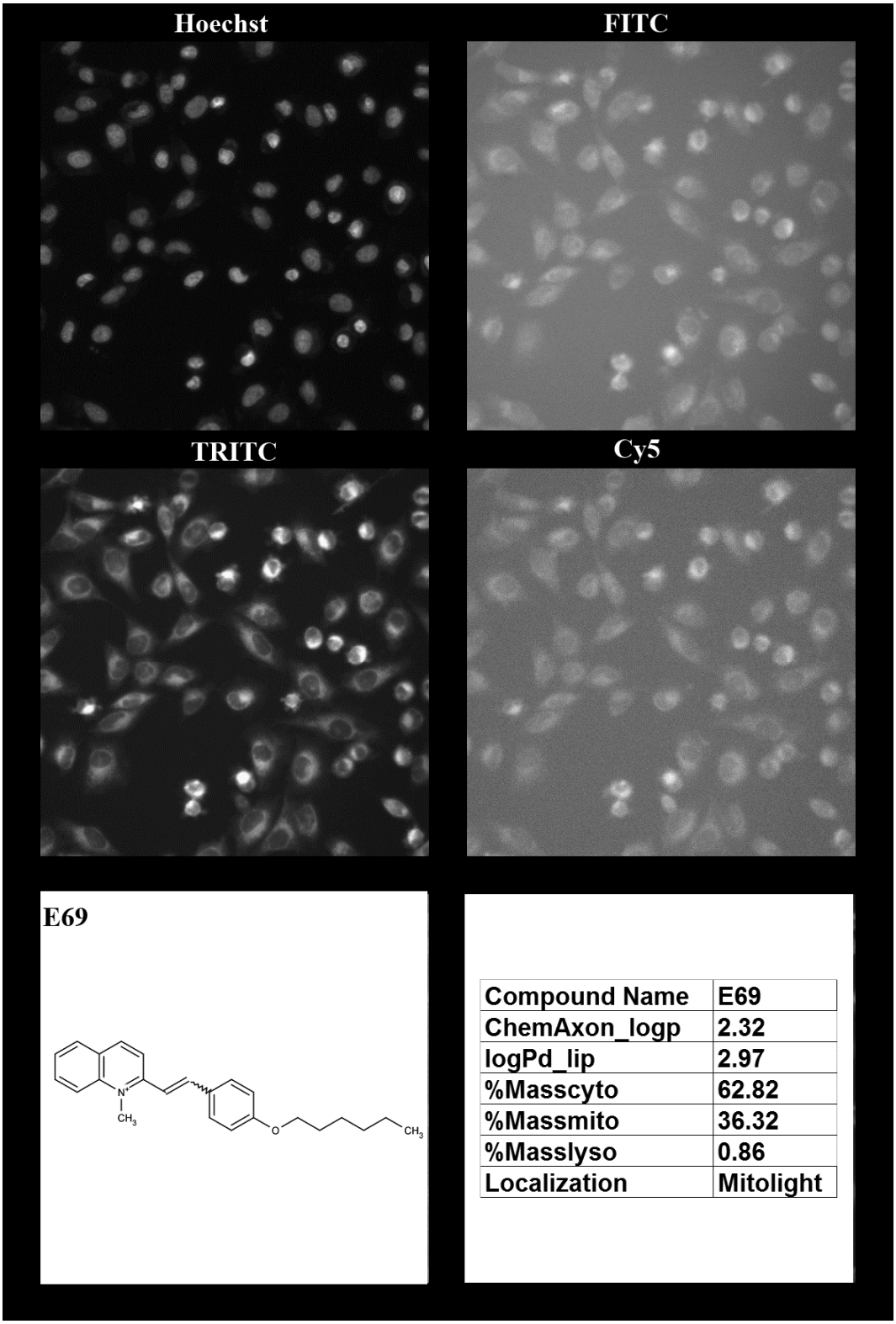
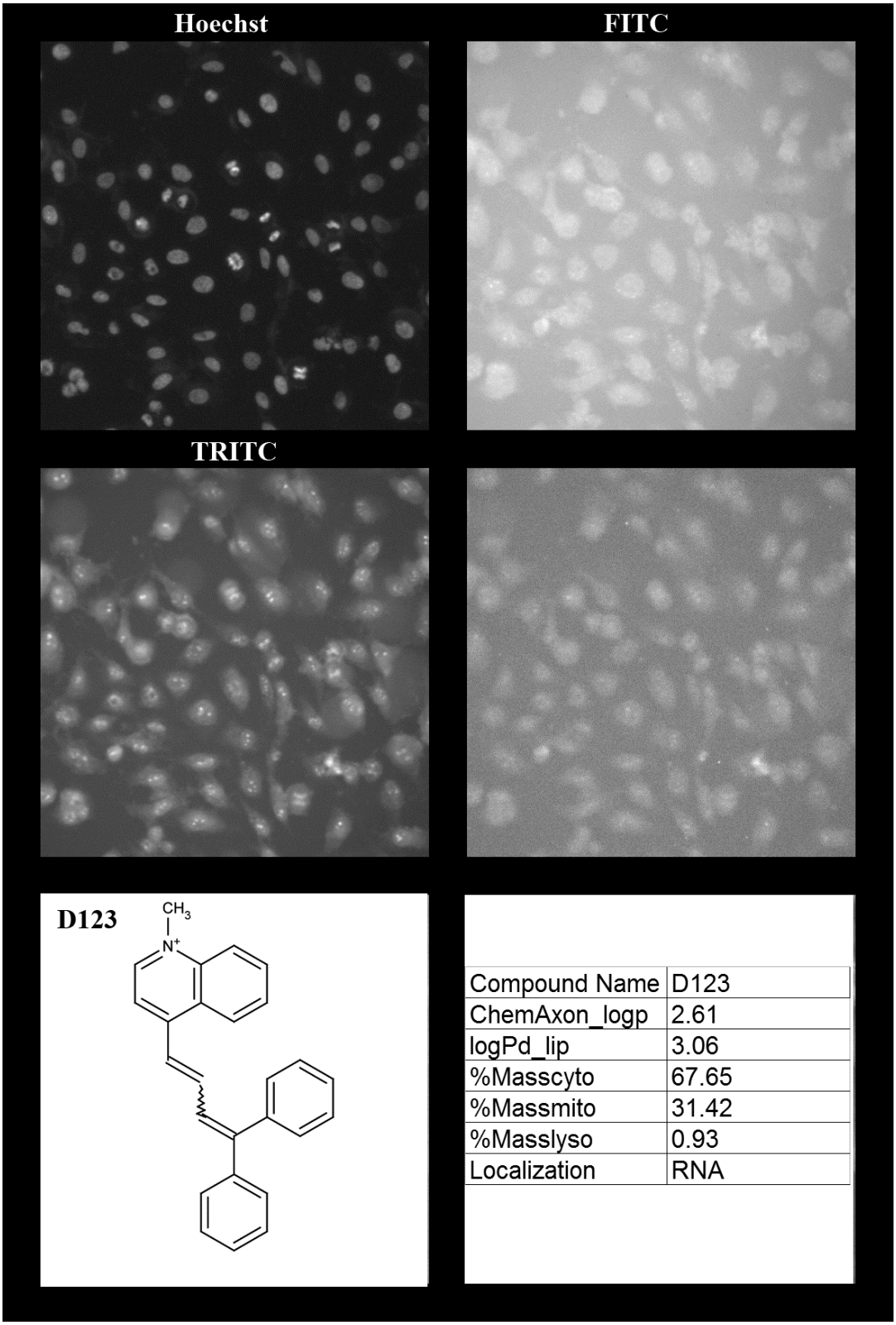
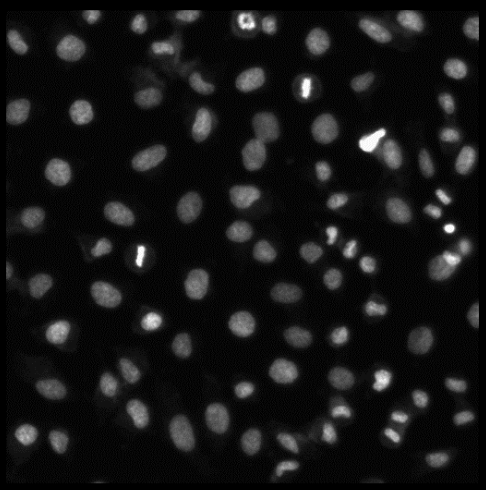


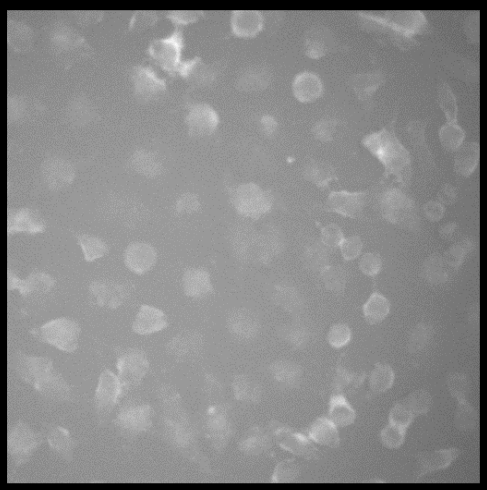
Figure S9. Compound 9 from figure 3.

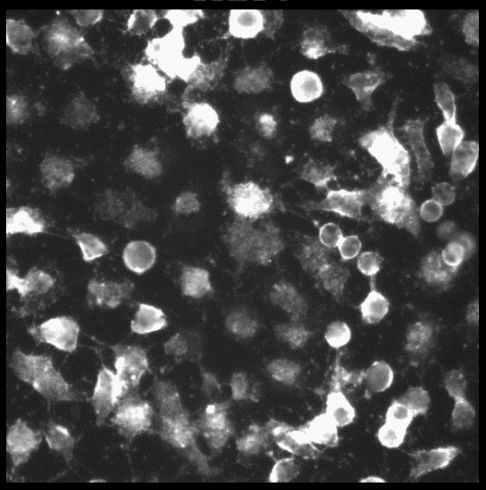


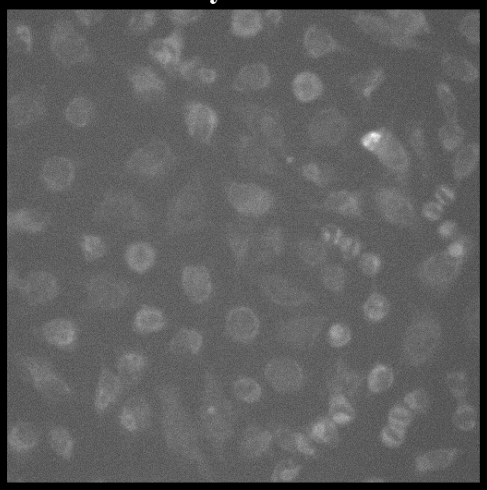
Compound Name	D123
ChemAxon_logp	2.61
logPd_lip	3.06
%Masscyto	67.65
%Massmito	31.42
%Masslyso	0.93
Localization	RNA

Figure S10. Compound 10 from figure 3.

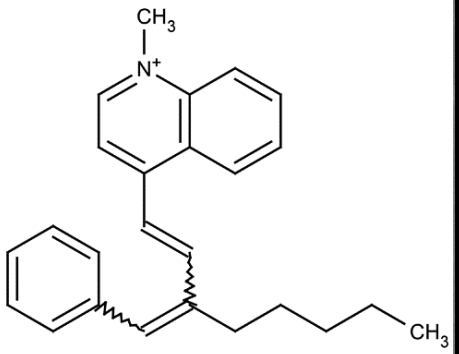






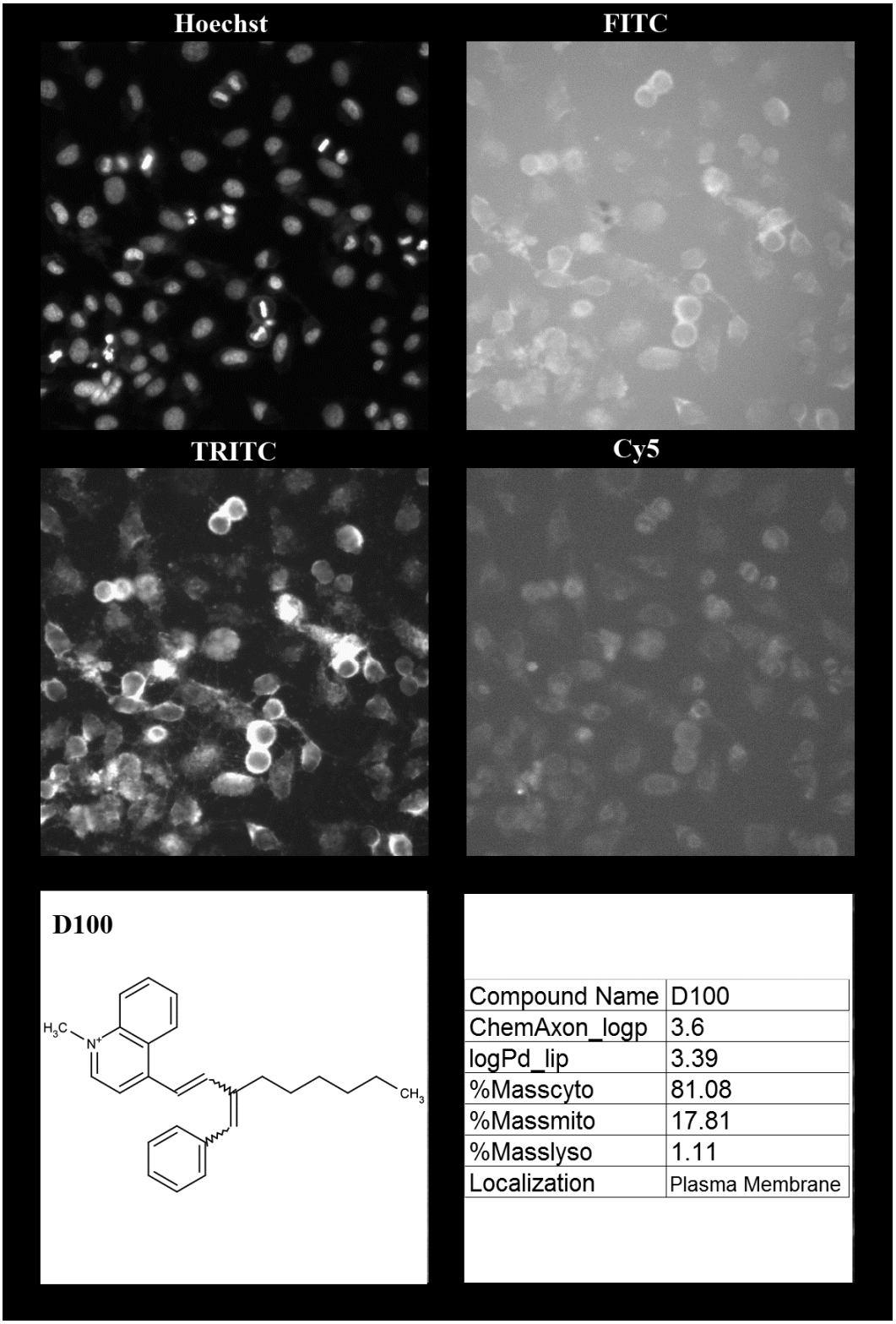


D101



Compound Name	D101
ChemAxon_logp	3.2
logPd_lip	3.26
%Masscyto	76.27
%Massmito	22.68
%Masslyso	1.05
Localization	Plasma Membrane

Figure S11. Compond 11 from figure 3.



Compound Name	D100
ChemAxon_logp	3.6
logPd_lip	3.39
%Masscyto	81.08
%Massmito	17.81
%Masslyso	1.11
Localization	Plasma Membrane

Figure S12. Compound 12 from figure 3.