

Supporting Information

Fluorescent Derivatives of σ Receptor Ligand 1-Cyclohexyl-4-[3-(5-methoxy-1,2,3,4-tetrahydronaphthalen-1-yl)propyl]piperazine (PB28) as a Tool for Uptake and Cellular Localization Studies in Pancreatic Tumor Cells

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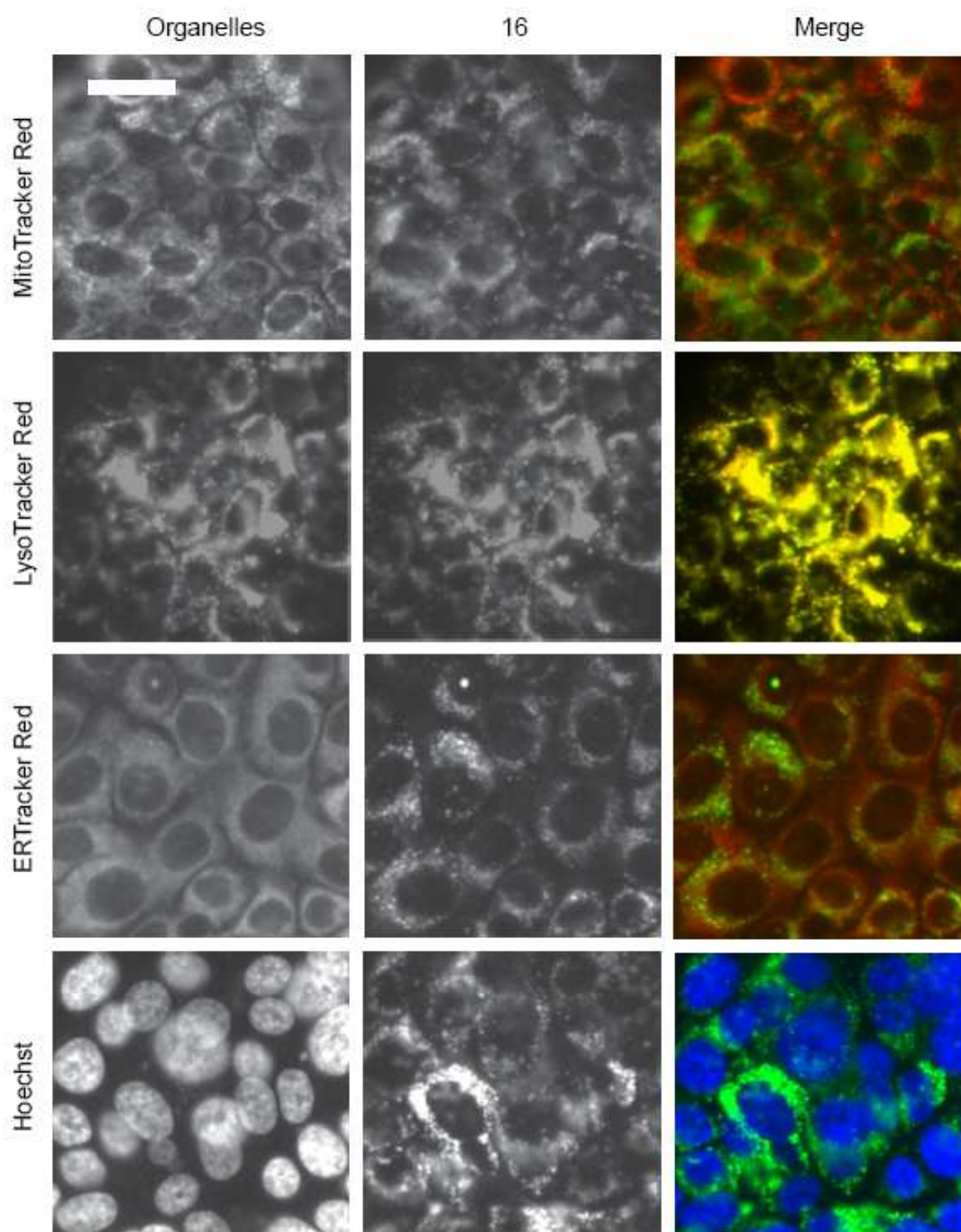
Table of Elemental Analysis

Compound	Calculated			Found		
	C	H	N	C	H	N
7	54.53	7.15	12.69	54.41	7.09	12.56
8	55.59	7.85	7.91	55.89	7.45	7.83
16	56.00	7.45	11.19	56.00	7.06	11.45
17	55.35	6.90	11.74	55.58	7.13	11.98
18	59.66	8.06	6.79	59.47	7.67	6.76
19	59.57	7.56	7.13	59.77	7.49	7.12

Table of Physical Properties of Novel Compounds

Compound	Formula ^a	mp, °C ^b	Color of crystals
7	C ₃₅ H ₅₁ N ₇ O ₄ ·3.8HCl	> 250	orange
8	C ₄₁ H ₆₁ N ₅ O ₃ S·4HCl·2H ₂ O	248 (dec)	yellow
16	C ₃₅ H ₅₀ N ₆ O ₄ ·3HCl· ⁵ / ₄ H ₂ O	223 (dec)	orange
17	C ₃₃ H ₄₆ N ₆ O ₅ ·3HCl	246–248	orange
18	C ₄₁ H ₆₀ N ₄ O ₃ S·3HCl· ³ / ₂ H ₂ O	215 (dec)	yellow
19	C ₃₉ H ₅₆ N ₄ O ₄ S·3HCl	220 (dec)	yellow

^aElemental analyses were within ± 0.4% of the theoretical values for the formulas given.
^bRecrystallized from MeOH/Et₂O except for compound 8 which was Recrystallized from MeOH.



Supplemental Figure 1. Subcellular Colocalization of compound **16** by Fluorescence Microscopy. Bxpc3 pancreatic cancer cells were incubated with **16** and subcellular markers, as described in the Materials and Methods, and imaged by fluorescence microscopy. **16** is presented as green, organelle markers in red, and overlays in yellow, scale bar equals 20 μm . Images taken at 40X magnification on a Nikon light microscope fitted with a SPOT camera and software.