

## **2871 Near Infrared Optical Transduction on Single-Walled Carbon Nanotubes**

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Single-Walled Carbon Nanotubes have been developed into solution-phase optical sensors via transduction on the nanotube's surface. Detection involves spectral shifts in the carbon nanotube's intrinsic near-infrared fluorescence. Via near-infrared emission, the sensor can detect and relay information in solutions with high optical densities such as living tissue.