

## Protanax™ Red 780 AM \*Cell-Permeable\*

Catalog Number: 21186  
Unit Size: 1 mg

### Product Details

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Storage Conditions	Freeze (< -15 °C), Minimize light exposure
Expiration Date	12 months upon receiving

### Chemical Properties

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Appearance	Solid
Molecular Weight	798.89
Soluble In	DMSO

### Spectral Properties

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Excitation Wavelength	748 nm
Emission Wavelength	769 nm

### Applications

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Protonex™ Red 780 AM is the cell-permeable version of Protonex™ Red 780. Protonex™ Red 780 dye works by changing its fluorescence intensity depending on the pH of the environment. Protonex™ Red 780 is minimally fluorescent at a basic pH and maximally fluorescent at an acidic pH. When Protonex™ Red 780 is bound to an acidic intracellular target, it becomes highly fluorescent and emits near-infrared light when excited by a red laser. By measuring the fluorescence intensity of Protonex™ Red 780, one can label or monitor the acidic intracellular targets in live cells.