

**Cal-520L™ maleimide**Catalog number: 20611  
Unit size: 100 ug**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	991.78
Soluble In	DMSO

**Spectral Properties**

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Excitation Wavelength	493 nm
Emission Wavelength	515 nm

**Applications**

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Calcium measurement is critical for numerous biological investigations. Fluorescent probes that show spectral responses upon binding calcium have enabled researchers to investigate changes in intracellular free calcium concentrations by using fluorescence microscopy, flow cytometry, fluorescence spectroscopy and fluorescence microplate readers. Cal-520L has been proven to be one of the best green fluorescent calcium indicators as a low affinity calcium indicator. Conceivably this thiol-reactive Cal-520L maleimide could be coupled to an IgG or other carrier molecules to prepare a calcium-sensitive bioconjugate for monitoring calcium change spatially for a specific target.