
Product Information Sheet

Ordering Information

Product Number: 21218
Product Name: Protonex™ Green 500WS
Unit Size: 1 mg
Storage Conditions: Freeze (<-15 °C), Minimize light exposure
Expiration Date: 12 months upon receiving

Chemical and Spectral Properties

Appearance: Solid
Molecular Weight: 775.63
Soluble In: DMSO
Excitation Wavelength: N/A
Emission Wavelength: N/A

Application Notes

Protonex™ Green dye demonstrated pH-dependent fluorescence. Unlike most of the existing fluorescent dyes that are more fluorescent at higher pH, acidic conditions enhance the fluorescence of Protonex™ Green dye. The fluorescence of Protonex™ Green dye significantly increases as pH decreases from neutral to the acidic. Protonex™ Green dye provides a powerful tool to monitor acidic cell compartments such as endosomes, lysosomes and other biological targets. Protonex™ Green 500 WS is not permeable to live cells, enabling the specific detection of extracellular acidic biological targets. Protonex™ Green has the spectral properties similar to those of FITC, making the common filter set of FITC readily available to the assays of Protonex™ Green.