
Product Information Sheet

Ordering Information

Product Number: 20645
Product Name: Calbryte™-520XL, potassium salt
Unit Size: 10x50 ug
Storage Conditions: Freeze (<-15 °C), Desiccated, Avoid Light
Expiration Date: 12 months upon receiving

Chemical and Spectral Properties

Appearance: Solid
Molecular Weight: 797.84
Soluble In: Water
Excitation Wavelength: 492
Emission Wavelength: 514

Application Notes

Calbryte 520XL, potassium salt is a new fluorescent and cell-impermeable calcium indicator with extremely low affinity. It has $K_d \sim 300$ μM , which is similar to the well-known Rhod 5N, but much more stable than Rhod-5N. Calbryte 520XL produces bright fluorescence signal in the presence of calcium ion in high concentration. It has the identical excitation and emission wavelength as Fluo-4, thus the same Fluo-4 assay settings can be readily applied to Calbryte 520XL-based calcium assays.