

Mag-Fluo-4 potassium salt

Catalog number: 20400

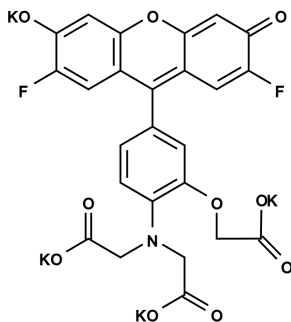
Unit size: 10x50 ug

Product Details

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|--------------------|--|
| Storage Conditions | Freeze (<math>< -15\text{ }^\circ\text{C}</math>), Minimize light exposure |
| Expiration Date | 12 months upon receiving |

Chemical Properties

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|--------------------|--|
| Appearance | Orange-red solid |
| Molecular Weight | 681.77 |
| Soluble In | Water |
| Chemical Structure |  |



Spectral Properties

| | |
|-----------------------|--------|
| Excitation Wavelength | 495 nm |
| Emission Wavelength | 528 nm |

Applications

The cell-impermeant Mag-Fluo-4 is an analog of Fluo-4 with a K_d for Mg ion of 4.7 mM and a K_d for Ca ion of 22 μM , making it useful as an intracellular Mg ion indicator as well as a low-affinity Ca ion indicator.