

Fluorescent Dye 450-M Succinimidyl Ester (Violet)

Catalog # U0267 Size 1 mg

Applications

Maximum Excitation/Emission wavelength: 403/454 nm

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Specification

Product Description	Fluorescent dye that is water-soluble and forms stable peptide bond with protein amino groups. All the Fluorescent Dye M series products are designed to be maximally excited by one of the major light sources equipped in flow cytometers. Besides, in comparison with phycobiliprotein tandems, Fluorescent Dye M series possesses better photostability, higher conjugation yields, and little pH sensitivity making it an ideal choice in fluorescence imaging applications.
Spectral Equivalent	Pacific Blue
Molar Extinction Coefficient	> 30,000 M ⁻¹ cm ⁻¹
Excitation (Max)	403 nm
Emission (Max)	454 nm
Recommended Excitation	Violet (405 nm)
Recommended Filter Sets	450/50 nm Filter
Solubility	DMSO, Water
Purity	> 90%
Regulation Status	For research use only (RUO)

Recommend Usage	Labeling of biological molecules, e.g. Antibodies, Proteins (<10 kDa), for fluorescence imaging and other fluorescence-based biochemical analysis.
Storage Buffer	DMSO
Storage Instruction	Store the product in desiccated environment at -20°C and avoid from light.
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Applications

- Conjugation
- Flow Cytometry