

Fluorescent Dye 488-I Succinimidyl Ester

Catalog # U0237

Size 1 mg

Applications

Maximum Excitation/Emission wavelength: 491/514 nm

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Specification

Product Description

Fluorescent dye that is water-soluble and forms stable peptide bond with protein amino groups. Fluorescent Dye 488-I Succinimidyl Ester conjugates are significantly brighter than fluorescein conjugates and much more photostable. Additionally, the fluorescence of Fluorescent Dye 488-I Succinimidyl Ester is not affected by pH between 4-10. Compared to Alexa Fluor 488, Fluorescent Dye 488-I Succinimidyl Ester of single isomer has much higher purity, bringing better performance consistency from batch to batch.

Spectral Equivalent

Alexa Fluor 488, Cy2, DyLight 488, FITC

Molar Extinction Coefficient

$> 70,000 \text{ M}^{-1}\text{cm}^{-1}$

Excitation (Max)

491 nm

Emission (Max)

514 nm

Solubility

DMSO, Water

Purity

$> 90\%$

Regulation Status

For research use only (RUO)

Recommend Usage

Labeling of biological molecules, e.g. Antibody, Protein, 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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- Conjugation