Fluorescent Dye 488-I Hydrazide

Catalog # U0239 Size 1 mg

Applications

Maximum Excitation/Emission wavelength: 491/514 nm

Maximum Excitation/Emission wavelength: 491/514 nm

Specification

Product Description	Fluorescent dye that is water-soluble and forms stable Schiff Base with carbonyl group. Fluorescent Dye 488-I Hydrazide conjugates are significantly brighter than fluorescein conjugates and much more photostable. Additionally, the fluorescence of Fluorescent Dye 488-I Hydrazide is not affected by pH between 4-10. Compared to Alexa Fluor 488, Fluorescent Dye 488-I Hydrazide of single isomer has much hihger purity, bringing better performance consistancy from batch to batch.
Spectral Equivalent	Alexa Fluor 488, Cy2, DyLight 488, FITC
Molar Extinction Coefficient	> 70,000 $M^{-1}cm^{-1}$
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

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Storage Instruction	Store the product in desiccated environment at -20°C and avoid from light.
Note	Maximum Excitation/Emission wavelength: 491/514 nm Maximum Excitation/Emission wavelength: 491/514 nm

Applications

- Conjugation

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