Fluorescent Dye 647-I Maleimide

Catalog # U0249 Size 1 mg

Applications

Maximum Excitation/Emission wavelength: 649/664 nm

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Specification

Product Description	Fluorescent dye that is water-soluble and forms stable thioether bond with free thiol groups. The slight red shift in absorption spectrum makes Fluorescent Dye 647-I Maleimide an optimal match to filters designed Cy5 dyes.Besides, their fluorescence is pH-independent from pH 3 to 11.
Spectral Equivalent	Alexa Fluor 647, Cy5, DyLight 650
Molar Extinction Coefficient	> 240,000 $M^{-1}cm^{-1}$
Excitation (Max)	649 nm
Emission (Max)	664 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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Applications

- Flow Cytometry
- Conjugation

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