

# Fluorescent Dye 647-I Succinimidyl Ester

Catalog # U0248

Size 1 mg

## Applications

Maximum Excitation/Emission wavelength: 649/664 nm

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## Specification

<b>Product Description</b>	Fluorescent dye that is water-soluble and forms stable peptide bond with protein amino groups. The slight red shift in absorption spectrum makes Fluorescent Dye 647-I Succinimidyl Ester an optimal match to filters designed Cy5 dyes. Besides, their fluorescence is pH-independent from pH 3 to 11.
<b>Spectral Equivalent</b>	Alexa Fluor 647, Cy5, DyLight 650
<b>Molar Extinction Coefficient</b>	> 240,000 M <sup>-1</sup> cm <sup>-1</sup>
<b>Excitation (Max)</b>	649 nm
<b>Emission (Max)</b>	664 nm
<b>Solubility</b>	DMSO, Water
<b>Purity</b>	> 90%
<b>Regulation Status</b>	For research use only (RUO)
<b>Recommend Usage</b>	Labeling of biological molecules, e.g. Antibody, Protein, for fluorescence imaging and other fluorescence-based biochemical analysis.
<b>Storage Buffer</b>	DMSO
<b>Storage Instruction</b>	Store the product in desiccated environment at -20°C and avoid from light.

**Note**

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- Conjugation
- Flow Cytometry