

## PE-Cy7 Tandem

Catalog number: 2616

Unit size: 1 mg

### Product Details

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Storage Conditions Refrigerated (2-8 °C), Minimize light exposure

Expiration Date 6 months upon receiving

### Chemical Properties

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Appearance Purple solid

Molecular Weight ~240000

Soluble In Water

### Spectral Properties

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Excitation Wavelength 566 nm

Emission Wavelength 778 nm

### Applications

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PE-Cy7 is a popular color used in flow cytometry. Its primary absorption peak is at 565 nm with emission peak at 780 nm. AAT Bioquest also offers a unique preactivated PE-Cy7 to facilitate the PE-Cy7 tandem conjugations to antibodies and other proteins such as streptavidin and other secondary reagents. Our preactivated PE-Cy7 tandem is ready to conjugate, giving much higher yield than the conventionally tedious SMCC-based conjugation chemistry. In addition, our preactivated PE-Cy7 tandem is conjugated to a protein via its amino group that is abundant in proteins while SMCC chemistry targets the thiol group that has to be regenerated by the reduction of antibodies.