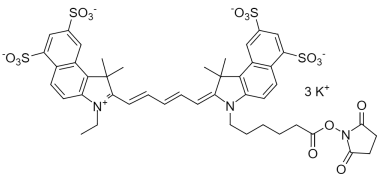


**Cyanine 5.5 monosuccinimidyl ester,
potassium salt [same as Cy5.5® NHS ester]**Catalog number: 283
Unit size: 1 mg**Product Details**

| | |
|--------------------|---|
| Storage Conditions | Freeze (<-15 °C), Minimize light exposure |
| Expiration Date | 12 months upon receiving |

Chemical Properties

| | |
|--------------------|--|
| Appearance | Blue solid |
| Molecular Weight | 1128.40 |
| Soluble In | DMSO |
| Chemical Structure |  |

Spectral Properties

| | |
|-----------------------|--------|
| Excitation Wavelength | 683 nm |
| Emission Wavelength | 703 nm |

Applications

This Cy5.5® dye is the same molecule to GE's monoreactive Cy5.5® NHS ester. It readily reacts with amino groups. Our Cy5.5® Fluors are thoroughly QC tested to ensure high levels of chromophore and reactive dye content. Mono-reactive dyes are suitable for targeted, precise labeling of proteins and oligonucleotides and bis-reactive dyes are more suitable for general labeling. NHS ester dyes are recommended for labeling amine groups and maleimide dyes are recommended for labeling thiol groups. A variety of cyanine 5.5 (Cy5.5®) dyes has been used to label biological molecules for fluorescence imaging and other fluorescence-based biochemical analysis. They are widely used for labeling peptides, proteins and oligos etc. Cy5.5® dyes are one type of the most common red fluorophores. Cy5.5® NHS ester readily reacts with amino groups. AAT Bioquest offers this Cy5.5 NHS esters in the form of potassium salt, which is the same molecule to GE's monoreactive Cy5.5 NHS ester (GE's PA15601). Cy5.5® is the trademark of GE Healthcare.