

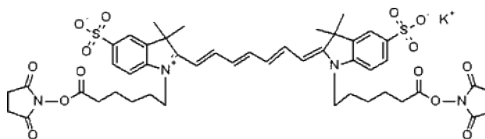
## Product Information Sheet

### Ordering Information

Product Number: 295  
Product Name: Cyanine 7 bissuccinimidyl ester, potassium salt [same as GE Cy7® bisNHS ester]  
Unit Size: 1 mg  
Storage Conditions: <-15 °C and kept from light and moisture  
Expiration Date: 12 months upon receiving

### Chemical and Spectral Properties

Molecular Weight: 1001.17  
Chemical Structure:



Soluble in: DMSO  
Excitation Wavelength: 749  
Emission Wavelength: 776

### Application Notes

This Cy7® dye is the same molecule to GE's Cy7® bisNHS ester. It readily reacts with amino groups. It has two NHS groups that might give brighter signal on some proteins than the Cy7 mono NHS ester (#161 and #290). Our Cy7® Fluors are thoroughly QC tested to ensure high levels of chromophore and reactive dye content. A variety of cyanine 7 (Cy7®) 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. Cy7® dye conjugates are one type of the most common near infrared red fluorophores used in in vivo imaging applications. Cy7® NHS ester readily reacts with amino groups. Cy7® is the trademark of GE Healthcare.