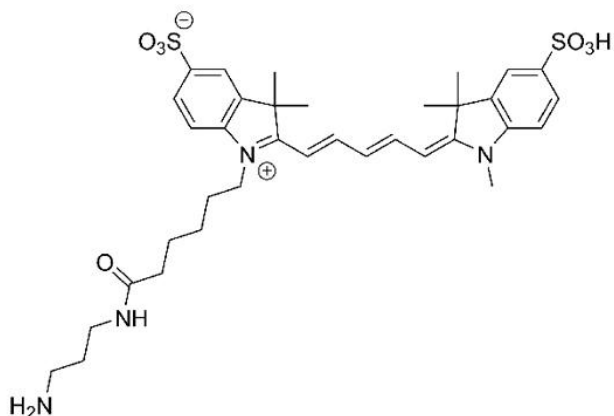


## CY5 AMINE

SKU: FP-1323



### Description

633/647



Laser  
line

Cy5



Common  
filter set

650



Excitation  
max

665



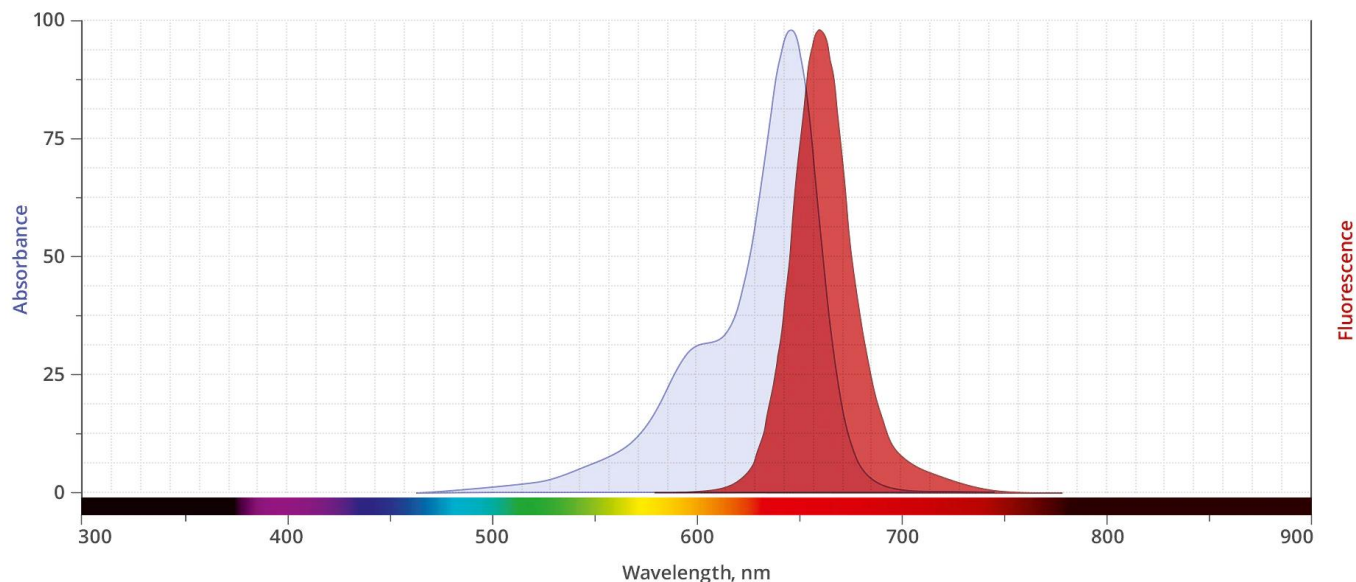
Emission  
max

Cy5 Amine is a carbonyl reactive building block used to modify carboxylic groups in the presence of activators (e.g. EDC, or DCC) or activated esters (e.g. NHS esters) through a stable amide bond. It also can be employed as a polar tracer and as a reactive dye for labeling proteins via a carboxylic acid moiety.

Cy5 Amine (also sold under the Sulfo-Cyanine5 Amine name) is a water-soluble, bright, far-red-fluorescent probe with excitation ideally suited for the 633 nm or 647 nm laser lines. A significant advantage to using long wavelength dyes such as Cy5 or AZDye 647 over other fluorophores is the low autofluorescence of biological specimens in this region of the spectrum.

**For research use only. Not intended for animal or human therapeutic or diagnostic use.**

## Abs/Em Spectra



## Specifications

<b>Unit Size</b>	1 mg, 5 mg, 25 mg, 100 mg
<b>Reactivity</b>	Aldehyde, carboxylic acid, ketone
<b>Abs/Em Maxima</b>	648/671 nm
<b>Extinction coefficient</b>	250,000 cm <sup>-1</sup> M <sup>-1</sup>
<b>Solubility</b>	Water, DMSO, DMF
<b>Spectrally similar dyes</b>	Alexa Fluor® 647, DyLight® 649,
<b>Molecular weight</b>	698.98
<b>Storage Conditions</b>	-20°C.
<b>Shipping Conditions</b>	Ambient temperature

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