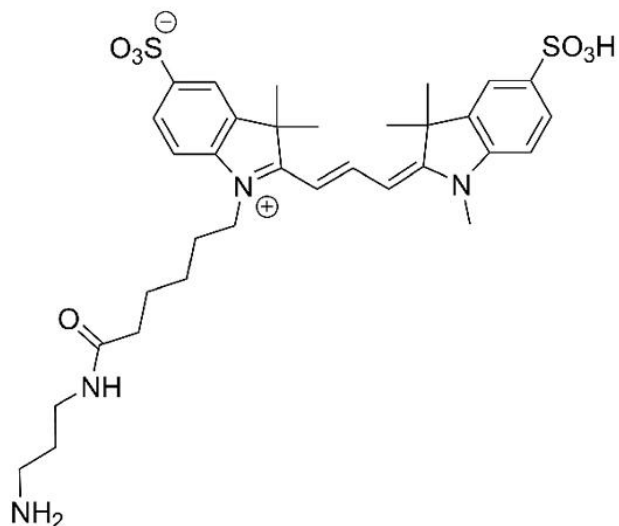




## CY3 AMINE

**SKU:** FP-1303



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## DESCRIPTION

**488/532**



Laser  
line

**TRITC**



Common  
filter set

**555**



Excitation  
max

**580**



Emission  
max

Cy3 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

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via a carboxylic acid moiety.

Cy3 Amine (also sold under Sulfo-Cyanine3 Amine) is a bright, water-soluble, and pH insensitive from pH 4 to pH 10 orange-fluorescent dye. Cy3 conjugates of antibodies, peptides, and proteins can be excited using the 532 nm or 555 nm laser line and visualized with TRITC (tetramethylrhodamine) filter sets. Cy3 conjugates give less background than TAMRA and most other commonly used fluorescent dyes.

## SPECIFICATIONS

<b>Molecular Weight</b>	672.86
<b>Extinction Coefficient</b>	150,000 cm <sup>-1</sup> M <sup>-1</sup>
<b>Reactivity</b>	Aldehyde, carboxylic acid, ketone
<b>Unit Size</b>	1 mg, 5 mg, 25 mg, 100 mg
<b>Solubility</b>	Water, DMSO, DMF
<b>Storage Instructions</b>	-20°C.
<b>Spectrally Similar Dyes</b>	Cy3, DyLight® 555, Alexa Fluor® 555
<b>Excitation/Emission Maximum</b>	555/572 nm
<b>Shipping Conditions</b>	Ambient temperature
<b>Shipping Instructions</b>	Ambient temperature

## ABS/EM SPECTRA

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