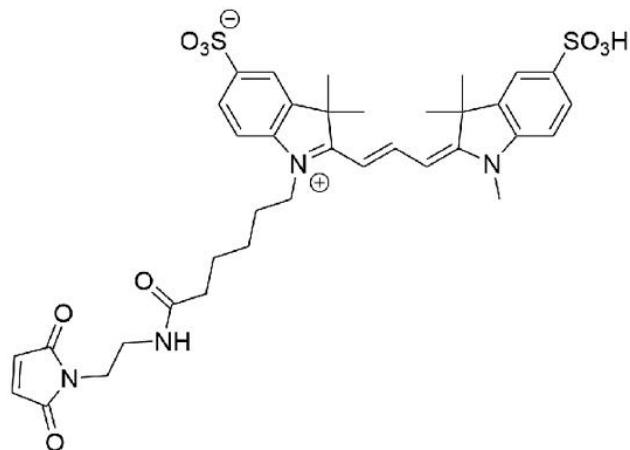


CY3 MALEIMIDE

SKU: FP-1302



Description

488/532



Laser
line

TRITC



Common
filter set

555



Excitation
max

580



Emission
max

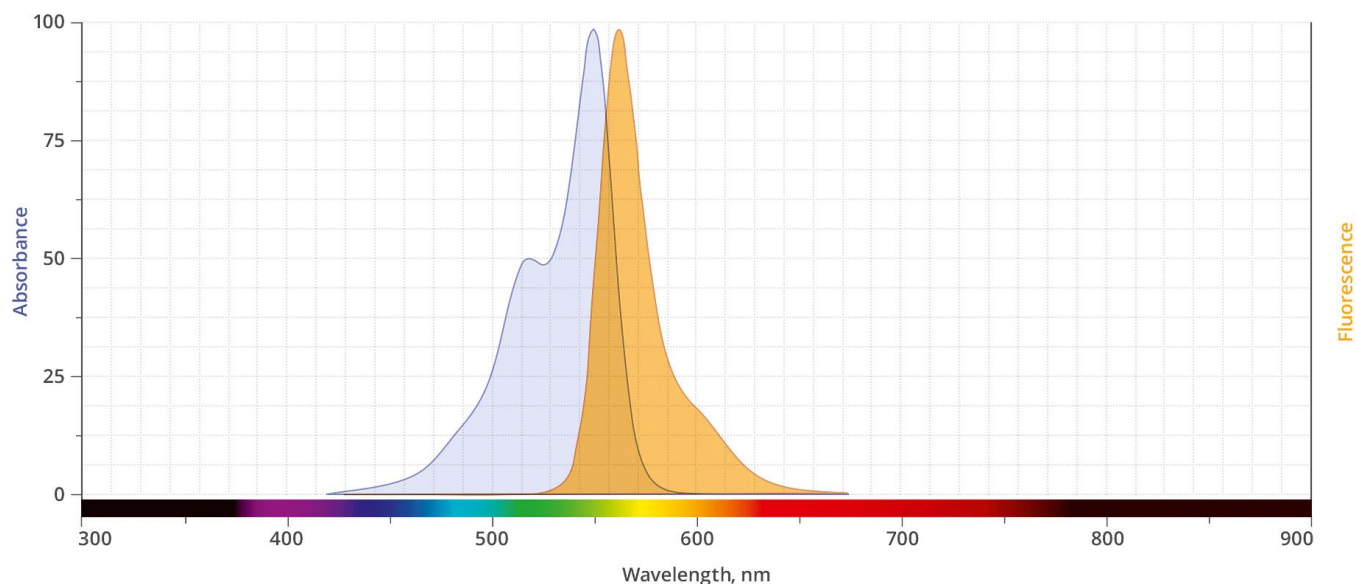
Cy3 Maleimide (also sold under Sulfo-Cyanine3 Maleimide) is a bright, water-soluble, and pH insensitive from pH 4 to pH 10 orange-fluorescent dye. Cy3 conjugates of antibodies, peptides, and proteins can be excited using the 532 nm or 555 nm laser line and visualized with TRITC (tetramethylrhodamine)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

Maleimide is the most popular sulfhydryl-reactive reactive group for conjugating the dye to a thiol group on a protein, oligonucleotide thiophosphate, or low molecular weight ligand. We do not recommend using Cy3 Maleimide for labeling proteins at high molar ratios due to significant

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

self-quenching. Cy3 conjugates are only recommended for detection of moderate-to-high abundance targets. For detection of low-abundance biological targets we recommend using AF 555 Maleimide (Alexa Fluor® 555 analog), which can be attached to proteins at high molar ratios without significant self-quenching, enabling brighter conjugates and more sensitive detection.

Abs/Em Spectra



Specifications

Unit Size	1 mg, 5 mg, 25 mg, 100 mg
Reactivity	Thiol (Cys)
Abs/Em Maxima	555/572 nm
Extinction coefficient	150,000 cm ⁻¹ M ⁻¹
Solubility	Water, DMSO, DMF
Spectrally similar dyes	Cy3, DyLight® 555, Alexa Fluor® 555
Molecular weight	738.87
Storage Conditions	-20°C.
Shipping Conditions	Ambient temperature

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