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## Cyanine3 NHS ester minimal dye

<http://www.lumiprobe.com/p/cy3-dige-nhs>

Cyanine3 NHS ester dye for protein labeling, and analog of Cy3® minimal dye.

This reagent is specially quantified - each package contains specified amount of NHS ester with quantity variation within 10%.

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### General properties

Appearance:	red, solid
Mass spec M+ increment:	582.33
Molecular weight:	669.56
Molecular formula:	$C_{36}H_{44}BF_4N_3O_4$
Solubility:	soluble in polar organic solvents
Quality control:	NMR $^1H$ , HPLC-MS, functional testing
Storage conditions:	Storage: 12 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light. Desiccate.

### Spectral properties

Excitation/absorption maximum, nm:	555
Emission maximum, nm:	570
CF <sub>260</sub> :	0.04
CF <sub>280</sub> :	0.09

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Purchase of these products does not imply transfer of license to perform methods patented by Carnegie Mellon University and covered by US patents 6,043,025, 6,127,134, 6,246,190, 7,566,544, and 7,598,047 "Difference gel electrophoresis using matched multiple dyes" and family members in Australia, Canada, Europe and Japan.