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## Cyanine2 NHS ester minimal dye

<http://www.lumiprobe.com/p/cy2-dige-nhs>

Cyanine2 minimal dye for protein labeling, an equivalent of Cy2® NHS ester 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

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| Appearance:             | yellow solid                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Mass spec M+ increment: | 550.2                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Molecular weight:       | 637.39                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Molecular formula:      | $C_{32}H_{28}BF_4N_3O_6$                                                                                                                                                                                                                                                                                                                                                                                                       |
| 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.                                                                                                                                                                                                                                                                    |
| Legal statement:        | This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products. |

### Spectral properties

|                                    |     |
|------------------------------------|-----|
| Excitation/absorption maximum, nm: | 490 |
| Emission maximum, nm:              | 510 |

Cy2® is a trademark of GE Healthcare.

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.