

## Cyanine 3 NHS ester [equivalent to Cy3® NHS ester]

Catalog ID: 150201

Revised: 2025-01-31

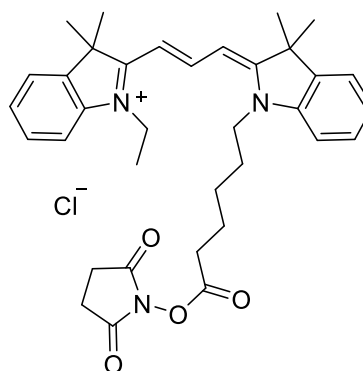
### Description

Cyanine3 NHS ester is a reactive dye designed for labeling amino groups in biomolecules and serves as an analog of Cy3® NHS ester. It is particularly well-suited for labeling soluble proteins, peptides, and oligonucleotides/DNA. For more sensitive proteins, the water-soluble sulfo-Cyanine3 NHS ester is recommended, as it eliminates the need for co-solvents.

Cyanine3 NHS ester is an effective alternative to NHS esters of Cy3® and DyLight 549.

### Chemical Properties

CAS number	NA
Formula	C <sub>35</sub> H <sub>42</sub> ClN <sub>3</sub> O <sub>4</sub>
Molecular Weight	604.19
HPLC Purity	≥95%
λ <sub>abs</sub> (nm)	555
ε <sub>max</sub> (M <sup>-1</sup> cm <sup>-1</sup> )	1.5×10 <sup>5</sup>
λ <sub>fl</sub> (nm)	569
CF <sub>260</sub> = ε <sub>260</sub> /ε <sub>max</sub>	NA
CF <sub>280</sub> = ε <sub>280</sub> /ε <sub>max</sub>	NA



### Storage

Upon receipt, store at -20°C in the dark. Protect from light and moisture. When stored as indicated, Cyanine 3 NHS ester is stable for at least 1 year.

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

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