

# Product Data Sheet



## Cyanine 5 NHS ester [equivalent to Quasar 670 NHS ester]

Catalog ID: 150601

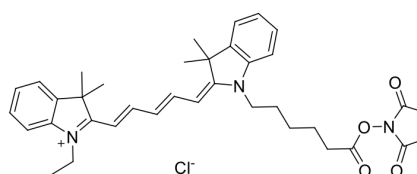
Revised: 2025-01-31

### Description

Cyanine 5 NHS ester is equivalent to Quasar 670 NHS ester, which is an indocarbocyanine dye that emits fluorescence in the red region of the visible spectrum. It serves as a direct alternative to Cy5™. The Quasar 670 is specifically designed for 5' labeling of fluorogenic probes used in 5' nuclease assays, Molecular Beacons™, and other detection assays.

### Chemical Properties

CAS number	1469777-63-6
Formula	C <sub>37</sub> H <sub>44</sub> ClN <sub>3</sub> O <sub>4</sub>
Molecular Weight	630.23
HPLC Purity	≥95%
λ <sub>abs</sub> (nm)	647
ε <sub>max</sub> (M <sup>-1</sup> cm <sup>-1</sup> )	2.5×10 <sup>5</sup>
λ <sub>fl</sub> (nm)	670
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 5 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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