

72719 Cyan 500 NHS ester

Application

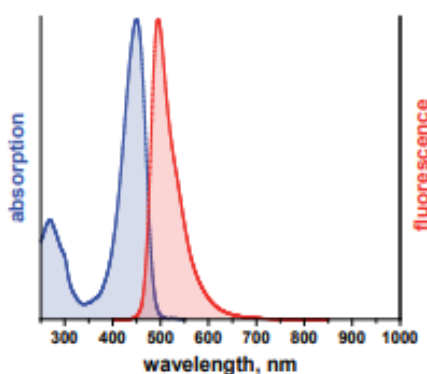
Cyan 500 NHS-Ester is an amine-reactive fluorescent label. It is designed and recommended by Roche for application in LightCycler® instruments. Characteristic features of the label are strong absorption and high fluorescence quantum yield.

The dye is used to label amino-modified oligonucleotides which after conjugation can be detected in Roche LightCycler® instruments with excitation at 430 nm. In addition Cyan 500 NHS-Ester can be used as a label for other bio-molecules such as proteins, etc. Cyan 500 NHS-Ester is moderately hydrophilic.

Product Description

MW	580 g/mol
λ_{abs}	450 nm
ϵ_{max}	$4.5 \times 10^4 \text{ M}^{-1} \text{ cm}^{-1}$
λ_{fl}	495 nm
η_{fl}	85 %
CF ₂₆₀	0.31
CF ₂₈₀	0.30

Optical data (in PBS, pH 7.4)



LightCycler® is a registered trademark of Roche Diagnostics GmbH Ltd

Storage: Store at -20°C and protected from light.

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

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