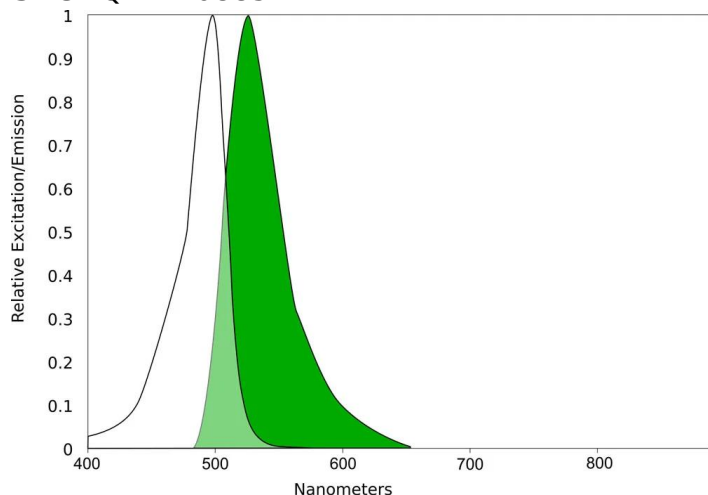


# AQUORA® FLUORESC EIN-NHS ESTER

SKU: QBD-10885LF



AQuora® Fluorescein-NHS Ester is a xanthene-based, amine-reactive fluorophore engineered with SuperHydrophilic™ technology designed to improve solubility during labeling and of the dye-labeled conjugate. As a result, the dye-labeled conjugates made with AQuora® Fluorescein NHS Ester yield enhanced signal and signal-to-noise ratios in fluorescence-based applications, including fluorescent western blotting, fluorescence-based microscopy, flow cytometry, and cell-based assays. It is activated with an N-hydroxysuccinimide (NHS) ester group, which reacts with free primary amines, such as the amines on the side chain of lysines, forming a stable amide bond.

## Description

"AQuora® Fluorescein-NHS Ester is an amine-reactive fluorophore engineered with SuperHydrophilic™ technology designed to improve solubility during labeling and of the dye labeled conjugate. As a result, the dye labeled conjugates made with AQuora® Fluorescein NHS Ester yield enhanced signal and signal-to-noise ratios in fluorescence-based applications including fluorescent western blotting, fluorescence-based microscopy, flow cytometry, and cell-based assays. AQuora® Fluorescein NHS Ester is a xanthene-based dye with photophysical properties comparable to FITC, carboxyfluorescein, and Alexa Fluor® 488 (absorption maximum = 495 nm, emission maximum = 524 nm).

This AQuora® Fluorescein NHS Ester dye is activated with an N-hydroxysuccinimide (NHS) ester group, which reacts with free primary amines, such as the amines on the side chain of lysines, forming a stable amide bond.

**For research use only. Not intended for animal or human therapeutic or diagnostic use.**

Alexa Fluor® is a registered trademark of Thermo Fisher Scientific."

## Specifications

<b>Unit Size</b>	1mg
<b>Format</b>	Solid
<b>Storage</b>	Store at -20°C. Protect from light. May ship at ambient temperatures.
<b>Country of Origin</b>	United States of America
<b>Label</b>	AQuora® Fluorescein
<b>Excitation / Emission Maximum</b>	495 nm / 524 nm
<b>A280 Correction Factor</b>	0.190
<b>Reactive Group</b>	NHS Ester
<b>Extinction Coefficient</b>	76,000
<b>Spectrally Similar Dyes</b>	FITC and Carboxyfluorescein
<b>Molecular Weight</b>	1090

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