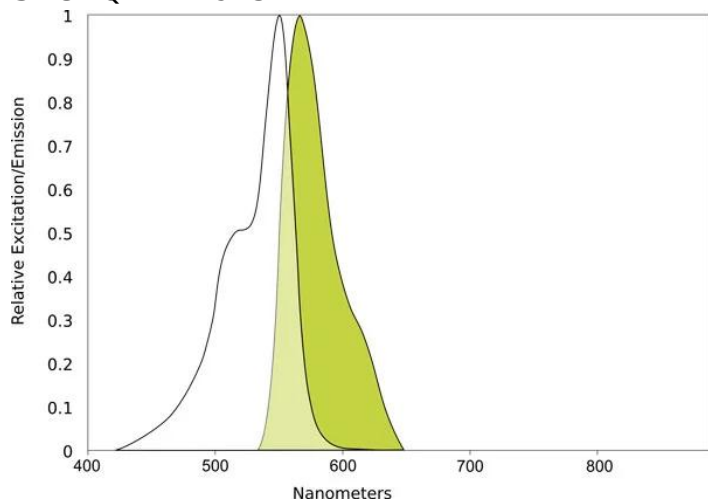


# AQUORA® 550-NHS ESTER

**SKU:** QBD-11973LF



AQuora® 550-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® 550-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® 550-NHS Ester is a cyanine-based dye with photophysical properties comparable to Alexa Fluor® 555, Cy3, DyLight® 550, and DyLight® 550 2x PEG.

This AQuora® 550-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.

Alexa Fluor® and DyLight® are registered trademarks of Thermo Fisher Scientific.

## Specifications

<b>Unit Size</b>	1mg
<b>Format</b>	Lyophilized
<b>Storage</b>	Store at -20°C. Protect from light. May ship at ambient temperatures.
<b>Country of Origin</b>	United States of America

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

<b>Label</b>	AQuora® 550
<b>Excitation / Emission Maximum</b>	554 nm / 570 nm
<b>A280 Correction Factor</b>	0.080
<b>Reactive Group</b>	NHS Ester
<b>Extinction Coefficient</b>	150,000
<b>Spectrally Similar Dyes</b>	Alexa Fluor® 555, Cy3, DyLight® 550, and DyLight® 550 2x PEG
<b>Molecular Weight</b>	1530

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