

# AQUORA® PB-NHS ESTER

**SKU:** QBD-12018LF



AQuora® PB 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® PB NHS Ester (Pacific Blue) 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® PB NHS Ester is a coumarin-based dye with photophysical properties comparable to Pacific Blue.

This AQuora® PB NHS Ester (Pacific Blue) 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.

Pacific Blue is a trademark 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
<b>Label</b>	AQuora® PB
<b>Excitation / Emission Maximum</b>	404 nm / 458 nm

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

<b>A280 Correction Factor</b>	0.400
<b>Reactive Group</b>	NHS Ester
<b>Extinction Coefficient</b>	19,000
<b>Spectrally Similar Dyes</b>	Pacific Blue
<b>Molecular Weight</b>	940

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