

# AQUORA® PB-MALEIMIDE

SKU: QBD-12019LF



AQuora® PB-Maleimide is a thiol-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-Maleimide 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-Maleimide is a coumarin-based dye with photophysical properties comparable to Pacific Blue. It is activated with a maleimide (MAL) group, which reacts with a thiol to form a thioether bond. (Pacific Blue® is a registered 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   |
| <b>A280 Correction Factor</b>        | 0.400   |
| <b>Reactive Group</b>                | Maleimide   |
| <b>Extinction Coefficient</b>        | 19,000  |
| <b>Spectrally Similar Dyes</b>       | Pacific Blue  |

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

**Molecular Weight**      940

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