

## Biotin-PEG4-tyramide

Catalog number: 45352

Unit size: 200 Slides

### Product Details

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Storage Conditions Freeze (<-15 °C), Minimize light exposure

Expiration Date 12 months upon receiving

### Chemical Properties

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Appearance Solid

Soluble In DMSO

### Applications

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Biotin-PEG4-tyramide is a reagent that has been used for tyramide signal amplification (TSA) via catalyzed reporter deposition (CARD). In CARD, a reporter enzyme, such as horseradish peroxidase (HRP) conjugated to a secondary antibody, is bound to the target of interest and catalyzes the covalent deposition of biotinyl tyramide to the sample. The sample is then probed by a detector, such as streptavidin-HRP, allowing detection via chromogenic or fluorescent methods. Biotin-PEG4-tyramide has been used in immunohistochemistry, ELISA, Western blot, and in situ hybridization applications. It tends to have improved signal/background than biotinyl tyramide in most of biological detections.