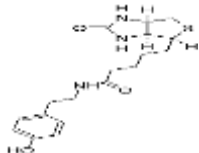


**PRODUCT: Biotinyl Tyramide****ALTERNATE NAMES:** (3a*S*,4*S*,6a*R*)-Hexahydro-*N*-[2-(4-hydroxyphenyl)ethyl]-2-oxo-1*H*-thieno[3,4-*d*]imidazole-4-pentanamide; Biotin-phenol**CATALOG NUMBER:** B2149-10,50**AMOUNT:** 10 mg, 50 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>18</sub>H<sub>25</sub>N<sub>5</sub>O<sub>3</sub>S**MOLECULAR WEIGHT:** 363.47**CAS NUMBER:** 41994-02-9**APPEARANCE:** White solid**SOLUBILITY:** DMSO (35 mg/ml) or EtOH (20 mg/ml)**PURITY:** ≥98% by TLC**STORAGE:** Store at -20 °C. Protect from air and light**DESCRIPTION:** Biotinyl tyramide is a reagent for use in catalyzed reporter deposition (CARD) signal amplification protocols in a variety of immunoassays in which, horseradish peroxidase catalyzed deposition of biotinyl tyramide is detected with labeled streptavidin. Widely used for signal amplification in fluorescent *in situ* hybridization (FISH) protocols. May be used for signal amplification in a sandwich ELISA for quantification of  $\alpha$ -tubulin isotypes. Dramatically increases signal, permitting immunohistochemical analysis of androgen receptors in rat prefrontal cortex.**REFERENCE:** McKay, J.A., *et al.* (1997). *Mol. Pathol.* **50**, 322-325**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**ABTS (**1212**)Biotinyl Tyramide (**B2149**)TMB, Ultrasensitive (**1215**)TMB, High Kinetics (**1216**)**USAGE:** **FOR RESEARCH USE ONLY! Not to be used in humans**