

Catalog	Unit
TBI3446-20MG	20mg
TBI3446-100MG	100mg

### Product Details

**Formal Name:** (3aS,4S,6aR)-Hexahydro-N-[2-(4-hydroxyphenyl)ethyl]-2-oxo-1H-thieno[3,4-d]imidazole-4-pentanamide

**Alternate Names:** Biotin-phenol

**Molecular Formula:** C<sub>18</sub>H<sub>25</sub>N<sub>3</sub>O<sub>3</sub>S

**Formula Weight:** 363.47

**CAS Number:** 41994-02-9

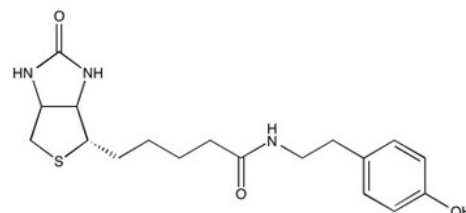
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 35 mg/ml) or in Ethanol (up to 20 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 1 year.



### Applications

Signal amplification reagent for antibody assays

### Functions

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. Reagent for “self-biotinylation” of DNA G-quadruplexes. May be used with APEX-mediated biotin labeling to identify protein-protein interactions.

### Application Procedures

First dissolved in DMSO (up to 35 mg/ml) or in Ethanol (up to 20 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 month.

**For research use only.**