
Product Information Sheet

Ordering Information

Product Number: 3024
Product Name: Biotin PEG3 amine
Unit Size: 25 mg
Storage Conditions: Freeze (<-15 °C), Desiccated
Expiration Date: 12 months upon receiving

Chemical and Spectral Properties

Appearance: Solid
Molecular Weight: 560.63
Soluble In: DMSO
Excitation Wavelength: N/A
Emission Wavelength: N/A

Application Notes

Biotin PEG3 amine is a carbonyl-reactive biotin derivative that contains a long arm to increase its avidin-binding affinity. This PEG biotin reacts specifically and efficiently with carboxy (e.g., a side chain of Glu or Asp residues or carboxy-coated surfaces) to form covalent bonds. The PEG spacer arm gives the reagent a long and flexible connection to minimize steric hindrance involved with binding to avidin molecules. The hydrophilic polyethylene glycol (PEG) spacer arm of this reagent imparts water solubility that is transferred to the labeled molecule, thus reducing aggregation of labeled proteins stored in solution. It is an excellent building block that can be used to label a variety of biological molecules and samples.