

Biotin-NHS Ester Technical Information

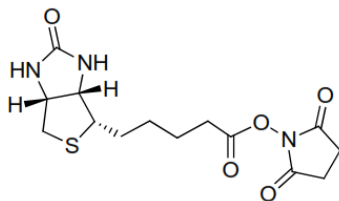
Introduction

GoldBio Biotin-NHS ester is the simplest amine-reactive biotinylation reagent for labeling primary amines (e.g., protein lysines). Biotin-NHS ester reagent enables simple and efficient reagent for biotin labeling of amine-containing organic molecules, antibodies, proteins and any other primary amine-containing biomolecules in solution. NHS-activated biotins requires an organic solvent such as DMSO or DMF to be dissolved.

Product No.: B-120

Product Name: [Biotin-NHS ester](#)

Chemical Structure:



Chemical Composition: C₁₄H₁₉N₃O₅S

Molecular Weight: 341.38 g/mol

CAS: 35013-72-0

Solubility: DMSO, DMF

Storage: Store at -20°C. (Product shipped at ambient temperature.)

Additional Information

- Amine reactive Biotin-NHS ester reacts rapidly with any primary amine-containing molecule to attach the biotin label via a stable amide bond.
- Biotin-NHS ester is water insoluble - must be dissolved in DMSO or DMF before further dilution in aqueous buffers.
- Spacer arm is 13.5 angstroms.
- High purity, crystalline biotin labeling reagents can be used to create high-quality biotin-labeled derivatives biotinylation reagents.

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