

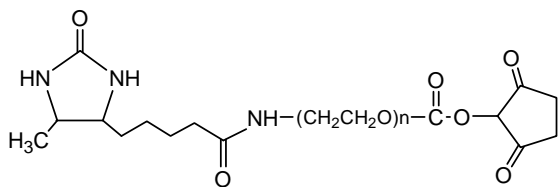
TECHNICAL DATA SHEET**Desthiobiotin PEG NHS, MW 1000, 2000, 3400, 5000, 10k, 20k**

Catalog Numbers: PG2-DNNS-1k, 2k, 3k, 5k, 10k, 20k.

Synonym: NHS PEG Desthiobiotin

Description:

Desthiobiotin PEG NHS is one of Nanocs' reactive desthiobiotin PEG crosslinkers that can react with primary amine group. Desthiobiotin is a modified version of biotin. Compared to biotin, the desthiobiotin tag binds to streptavidin, avidin and other biotin-binding proteins with high specificity but it can be eluted under mild conditions (i.e., by competitive displacement with regular, free biotin). As such, this reagent is a useful alternative to Biotin for avidin-biotin techniques in which nondenaturing elution of the labeled proteins is desired. NHS group in this molecule reacts specifically and efficiently with primary amine group (-NH₂) at elevated pH to form a stable amide bond. Reaction between NHS and amine allows quick and efficient conjugation of desthiobiotin tag to proteins, antibodies and other biomolecules. PEG linker between desthiobiotin and maleimide offers better water solubility, flexible linker length and enhanced stability.

Product Structure:**Product Specifications:**

- Composition: **Desthiobiotin PEG NHS.**
- Appearance: White/off-white solid, semi-solid depends on molecular weight.
- Solubility: 10 mg/mL, clear in water, DMSO.
- Function group: Desthiobiotin
- Reactive group: NHS.

Handling and Use:

Desthiobiotin PEG NHS is sensitive to moisture and temperature. For best use, material should always be kept in low temperature in dry condition. Prepare fresh solution right before use. Avoid frequent thaw and freezing. For more information about using this product, visit www.nanocs.net.

Storage Conditions:

NHS PEG Desthiobiotin should be stored at -20 °C. Desiccate. Protect from light. Materials may be handled under inert gas for best stability. Re-test material 12 months after receiving.

This product is for research use only and is not intended for use in humans or for diagnostic use.

Related Products:

Desthiobiotin PEG Maleimide
Desthiobiotin PEG amine
Desthiobiotin PEG DBCO

Desthiobiotin PEG Azide
Desthiobiotin PEG Thiol

To Order:Order online: www.nanocs.netOrder by Email: sales@nanocs.com

Order by phone: 1(800) 388-4221; 1(888) 908-8803

For more information, visit www.nanocs.net