

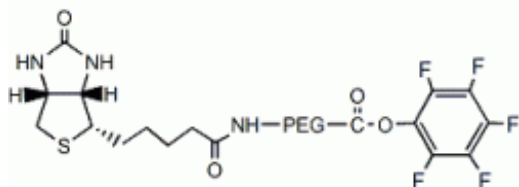
TECHNICAL DATA SHEET**Biotin PEG PFP, MW 1000, 2000, 3400, 5000, 10k, 20k**

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

Synonym: Pentafluorophenyl PEG Biotin, PFP PEG Biotin

Description:

PFP PEG Biotin is one of Nanocs' reactive heterofunctional biotin PEG derivatives that can link biotin molecule to proteins, peptides, particles and other materials surfaces via its PFP group. PFP (**pentafluorophenyl**) is an amine reactive group which reacts quickly with amine groups at alkaline pH. Compared to succinimidyl NHS ester, **PFP** reacts not only with primary amine, it also reacts with secondary amine groups. Attached PEG Biotin shows high affinity with avidin or streptavidin and can be used for bioassay development and drug delivery.

Product Structure:**Product Specifications:**

- Composition: **Biotin PEG PFP.**
- Appearance: White/off-white solid, semi-solid depends on molecular weight.
- Solubility: 10 mg/mL, clear in water, chloroform and DMSO.
- Function group: Biotin.
- Reactive group: PFP (pentafluorophenyl).
- Reactive to: Amine groups.

Handling and Use:

PFP PEG biotin 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:

Biotin PEG PFP should be stored at -20 °C. Desiccate. Materials may be handled under inert gas for best stability. Re-test material after 6 months.

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

Related Products:Biotin PEG NHS
Biotin PEG MaleimideBiotin PEG Amine
Biotin PEG COOH**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