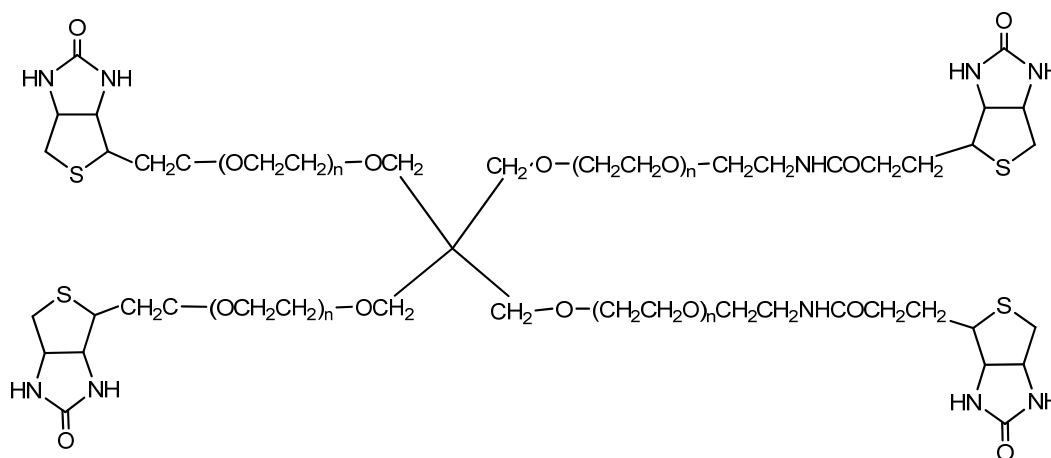


TECHNICAL DATA SHEET
4 Arm PEG Biotin, MW 2000, 5000, 10k, 20k

Catalog Numbers: PG4A-BN-2k,-5k, 10k, 20k.

Description:

4 arm PEG Biotin is one of Nanocs' star shaped multifunctional biotinylated polyethylene glycol (PEG) derivatives. Biotin functionalized PEG derivatives have strong binding affinity to **avidin** or **streptavidin**. Biotin/streptavidin system has been used widely in various biomolecule detection and purification process. Our 4 arm branched PEG biotin derivatives have four biotin molecules on each PEG core molecule. These pegylated 4 arm biotins are readily soluble in water. All assays or reactions involving in biotins can be carried out in aqueous buffer without need adding any organic solvents. In addition, multi-valent complex between branched PEG biotin and avidin/streptavidin can be easily formed.

Product Structure:

Product Specifications:

- Composition: 4 Arm PEG Biotin.
- Appearance: White to off-white solid or semi-solid depends on molecular weight.
- Solubility: Soluble in water, chloroform, DMSO, DMF, etc.
- Stability: >12 months at 4 °C.

Handling and Use:

For best use, **4 arm PEG biotin** 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:

4 arm PEG biotin should be stored at 4 °C. Desiccate. Re-test material after 12 months.

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

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