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TECHNICAL DATA SHEET

Acrylate PEG Biotin, MW 1000, 2000, 3400, 5000, 10k, 20k

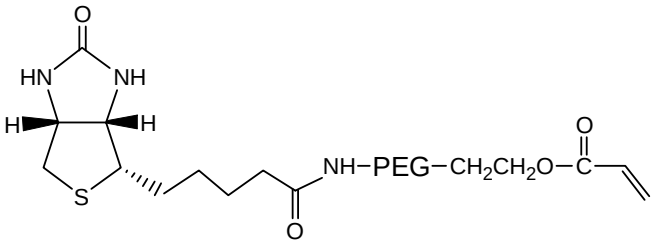
Catalog Numbers: PG2-ARBN-600, 1k, 2k, 3k, 5k, 10k, 20k.

Synonym: Acrylamide PEG Biotin, Biotin PEG acrylate

Description:

Acrylate PEG biotin is one of Nanocs' polymerizable Pegylation reagents that contain an acrylate and a biotin tag on each PEG terminus. Acrylate PEG biotin is able to react rapidly with other acrylate containing molecules or materials via free radical acrylation polymerization reaction. This acrylation reaction enables attachment of biotins to the modified material surface. Biotin tag has high affinity with avidin or streptavidiv; thus resulted biotin functional surface can bind to avidin or streptavidin molecules. Our biotin PEG acrylate is soluble in water, all reactions or assays can be carried out directly in aqueous buffer without adding any organic solvents.

Product Structure:



Product Specifications:

- Composition: **Acrylate PEG Biotin**.
- Appearance: White/off-white solid, semi-solid depends on molecular weight.
- Solubility: Soluble in water, ethanol, chloroform, DMSO, etc.
- Functional tag: Biotin.

Handling and Use:

For best use, **Acrylate 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:

Biotin PEG acrylate should be stored at -20 ^{0}C. Desiccate. Protect from light. 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:

Acrylate PEG NHS	Acrylate PEG FITC
Acrylate PEG Maleimide	Acrylate PEG COOH
Acrylate PEG azide	Acrylate PEG amine

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