

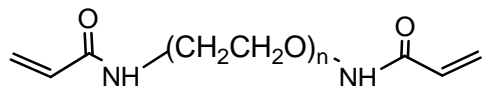
TECHNICAL DATA SHEET**Acrylate PEG acrylate, MW 600, 1000, 2000, 3400, 5000, 10k, 20k**

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

Synonym: Acrylamide PEG acrylamide, Bis-acrylate PEG, Bis-acrylamide PEG

Description:

Nanocs' acrylate homobifunctionalized polyethylene glycol (**Acrylate-PEG-acrylate**) is a polymerizable PEG derivative that can be used to attach functional PEG molecules to other material surfaces through acrylation polymerization reaction. Acrylate is a highly reactive functional group that can react with other acrylate groups via free radical polymerization acrylation reaction. Acrylation reaction from acrylated PEG allows synthesis of biocompatible and biodegradable PEG based biopolymers. It can also be used for material pegylation modification. **PEGylation** can increase solubility and stability of modified materials. It can also suppress the non-specific binding of charged molecules to the modified surfaces.

Product Structure:**Product Specifications:**

- Composition: **Acrylate PEG acrylate.**
- Appearance: White/off-white solid, semi-solid depends on molecular weight.
- Solubility: Soluble in water, ethanol, chloroform, DMF, etc.
- Stability: 12 months at -20 °C.

Handling and Use:

For best use, **Bis-acrylate PEG** 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:

Acrylate PEG acrylate should be stored at -20 °C. Desiccate. Protect from light. Materials may be handled under inert gas for best stability. 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.

Related Products:

Acrylate PEG NHS	Acrylate PEG FITC
Acrylate PEG Maleimide	Acrylate PEG COOH
Acrylate PEG azide	Acrylate PEG Biotin

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