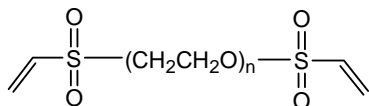


TECHNICAL DATA SHEET**Vinylsulfone PEG Vinylsulfone, MW 1000, 2000, 3400, 5000, 10k, 20k**

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

Description:

Nanocs' bis-vinylsulfone functionalized polyethylene glycol (VS-PEG-VS) is a thiol (-SH) reactive homobifunctional PEG derivative which can be used to modify proteins, peptides, particles and other materials via their available thiol groups. Vinylsulfone reacts readily with thiol groups at neutral pH and form a stable thio-ether bond. Vinylsulfone can also reacts with hydroxyl and amine groups at alkaline conditions. PEGylation can increase stability and reduce immunogenicity of pegylated peptides and proteins. It can also suppress the non-specific binding of charged molecules to the modified surfaces.

Product Structure:**Product Specifications:**

- Composition: Vinyl sulfone PEG viny sulfone.
- Appearance: White/off-white solid, semi-solid depends on molecular weight.
- Solubility: Soluble in water, chloroform, DMSO, etc.
- Reactive groups: Vinyl sulfone.

Handling and Use:

Vinyl sulfone PEG 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:

Vinylsulfone PEG should be stored at -20 °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.

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