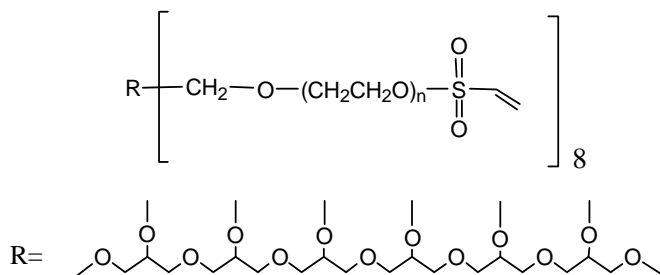


TECHNICAL DATA SHEET**8 Arm PEG Vinyl sulfone, MW 5k, 10k, 20k, 40k**

Catalog Numbers: PG8A-VS-5k, 10k, 20k, 40k.

Description:

8 arm Vinyl sulfone (VS) functionalized PEG is one of Nanocs' multifunctional reactive polyethylene glycol (PEG) derivatives. Our multi-arm vinyl sulfone PEG provides multiple vinyl sulfone groups on each PEG core molecule. Vinyl sulfone is reactive to sulfhydryl (SH), amine or hydroxyl groups at elevated pH. Reaction between Sulfhydryl and VS is faster than that of amine or hydroxyl. Eight armed branch **vinyl sulfone PEG** is an excellent material to prepare biocompatible and biodegradable hydrogel through crosslinking reactions.

Product Structure:**Product Specifications:**

- Composition: **8 Arm PEG vinyl sulfone.**
- Appearance: White to off-white solid or semi-solid depends on molecular weight.
- Solubility: Soluble in water, chloroform, DMSO.
- Stability: >6 months at -20 °C.

Handling and Use:

For best use, **8 arm vinyl sulfone 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:

8 arm PEG vinyl sulfone should be stored at -20 °C. Desiccate. Protect from light. 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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