

TECHNICAL DATA SHEET

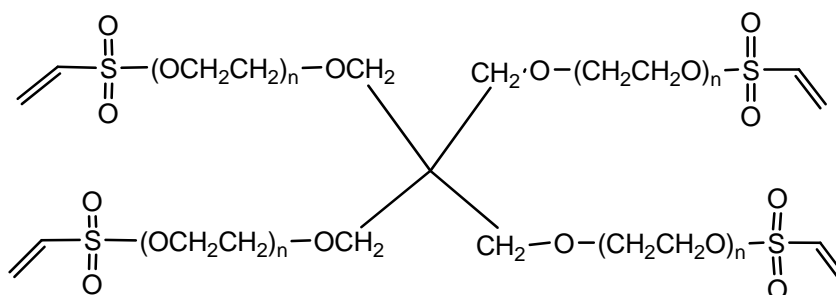
4 Arm PEG Vinylsulfone, MW 2000, 5000, 10k, 20k

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

Description:

Vinyl sulfone (VS) functionalized **4 arm PEG** is one of Nanocs' multifunctional polyethylene glycol (PEG) derivatives that have multiple vinylsulfone functional groups on each PEG core molecule. Our 4 arm PEG VS has 4 vinyl sulfone groups on each star shaped PEG core. Vinylsulfone group reacts readily with hydroxyl, amine or sulfhydryl groups at elevated pH but it reacts with thiol group more quickly. Vinylsulfone functionalized polyethylene glycol (VS-PEG) is water soluble and it can be used to modify protein or peptide via their available amine or sulfhydryl functional groups. Multi-armed VS PEG is an excellent material to prepare biocompatible and biodegradable hydrogel through crosslinking reactions.

Product Structure:



Product Specifications:

- Composition: **4 Arm PEG Vinylsulfone.**
- 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, **4 arm PEG vinylsulfone** 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 branched PEG vinylsulfone should be stored at -20 °C. Desiccate.

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

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