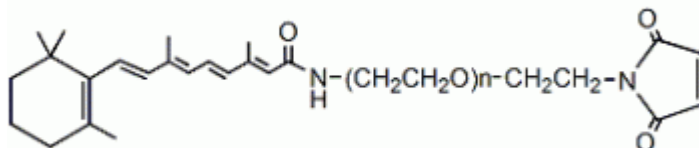


TECHNICAL DATA SHEET**Retinoic acid PEG Maleimide, MW 1k, 2k, 3400, 5k, 10k, 20k**

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

Description:

Retinoic acid PEG Maleimide is one of Nanocs' bioactive and chemical reactive PEG derivatives that can react with sulfhydryl/thiol groups. Retinoic acid is a metabolite of Vitamin A that mediates the functions of vitamin A required for growth and development. Retinoic acid is an essential molecule that required for the early to late development of animals or humans. Retinoic acid is a fat-soluble vitamin A derivative with high hydrophobicity. PEG modified retinoic acid is hydrophilic with good water solubility. Meanwhile, maleimide group can react with thiol groups on various biomolecule at neutral pH with high efficiency. Reaction of maleimide and thiol groups enables quick and efficient conjugation of retinoic acid PEG to other molecules or materials.

Product Structure:**Product Specifications:**

- Composition: **Retinoic acid PEG Maleimide.**
- Appearance: Yellow to pale-yellow solid or semi-solid depends on molecular weight.
- Solubility: Soluble in water, chloroform, DMSO, DMF, etc.
- Stability: >6 months at -20 °C.
- Reactive group: Maleimide.
- Reactive to: Sulfhydryl (-SH).

Handling and Use:

For best use, **Retinoic acid PEG Maleimide** 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:

Maleimide PEG Retinoic acid 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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