

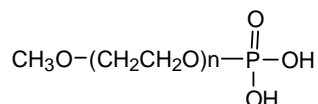
**TECHNICAL DATA SHEET****Methoxy PEG Phosphate, MW 350, 550, 750, 1k, 2k, 3k, 5k, 10k, 20k, 30k, 40k**

Catalog Numbers: PG1-PA-350, 550, 750, 1k, 2k, 5k, 10k, 20k, 30k, 40k.

Synonym: Methoxypolyethylene glycol phosphate, mPEG-phosphate, mPEG phosphoric acid, mPEG phosphonic acid, polyethylene glycol methyl ether phosphate

**Description:**

Nanocs' **methoxypolyethylene glycol phosphate (mPEG-phosphate)**, also called PEG phosphoric acid or PEG phosphonic acid, is a monofunctional polyethylene glycol phosphate derivative that can be used to modify metal oxide surface, such as titanium dioxide, aluminum oxide, and tantalum oxide. Phosphoric or phosphonic acid can form self-assembled monolayer on the surface of metal oxide. Meanwhile, PEG linker attached to the phosphate group provides resistance of non-specific absorption on the modified surface.

**Product Structure:****Product Specifications:**

- Composition: **Methoxy PEG Phosphate.**
- Appearance: White/off-white solid, semi-solid depends on molecular weight.
- Solubility: 10 mg/mL, clear in water, ethanol, chloroform, DMSO.
- Stability: 12 months at 4-8 °C.

**Handling and Use:**

**PEG phosphate** products 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](http://www.nanocs.net).

**Storage Conditions:**

**Phosphate PEG** products should be stored at 4-8 °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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