Tel: 1(800)388-4221 Fax: 1(917)591-2212 Email: info@nanocs.com

TECHNICAL DATA SHEET

mPEG Methacrylate, MW 350, 550, 750, 1000, 2000, 5000, 10k, 20k, 30k, 40k

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

Synonym: Methacrylate PEG.

Description:

mPEG Methacrylate is one of Nanocs' polymeriable PEG derivatives that contain a reactive metharylate group on the PEG terminus. Methacrylate is able to react with other acrylate or methacrylate groups via free radical acrylation polymerization process. PEG methacrylate is water soluble and it is a useful material to prepare hydrogel and other biocompatible, biodegradable polymers. Methacrylate PEG can also be used for particle or device surface modification. Polyethylene glycol modified surface shows better resistance to non-specific binding.

Product Structure:

CH₃O-(CH₂CH₂O)_n-CH₂CH₂O

Product Specifications:

Composition: mPEG methacrylate.

Appearance: White/off-white solid, semi-solid

or liquid depends on molecular

weight.

• Purity: > 95%.

Reactive group: Methacrylate.

Handling and Use:

mPEG methacrylate should always be kept in low temperature in dry condition. Prepare fresh solution right before use. Protect from light. For more information about using this product, visit www.nanocs.net.

Storage Conditions:

Methacrylate PEG should be stored at -20 °C. 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.

Related Products:

Methacrylate PEG amine Methacrylate PEG FITC Methacrylate PEG SH Methacrylate PEG NHS Methacrylate PEG Maleimide Methacrylate PEG Biotin

To Order:

Order online: www.nanocs.net

Order by Email: sales@nanocs.com

Order by phone: 1(800) 388-4221; 1(888)

908-8803

For more information, visit www.nanocs.net

The information given in this document is to the best of our knowledge accurate, but no warranty is expressed or implied. It is the user's responsibility to determine the suitability for their own use of the products described herein, and since conditions of use are beyond our control, we disclaim all liability with respect to the use of any material supplied by us. Nothing contained herein shall be construed as a recommendation to use any product or to practice any process in violation of any law or any government regulation.