

#### **TECHNICAL DATA SHEET**

# Acryloyl PEG NHS, MW 1000, 2000, 3400, 5000, 10k, 20k

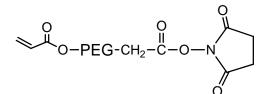
Catalog Numbers: PG2-AMNS-1k, 2k, 3k, 5k, 10k, 20k.

Synonym: Acrylate PEG NHS, NHS PEG Acrylate

## **Description:**

Acryloyl PEG NHS is one of Nanocs' amine reactive polymerizable polyethylene glycol derivatives that contain a terminal Acrylate and a NHS group on each PEG terminus. NHS functional acrylate PEG reacts readily with primary amine groups at alkaline condition; thus enable the efficient attachment of acrylate PEG to modified material surface. Attached acrylate group can react with other acrylate functional molecules via free radical polymerization reactions. Acrylate PEGs are useful for biocompatible and degradable hydrogel synthesis. They are also good pegylation materials for medical device surface modification.

## Product Structure:



## **Product Specifications:**

- Composition: Acryloyl PEG NHS.
- Appearance: White/off-white solid, semi-solid depends on molecular weight.
- Solubility: Soluble in water, chloroform, DMSO.
- Stability: >6 months at -20 °C.

## Handling and Use:

For best use, **acryloyl PEG NHS** 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:

Acrylate PEG NHS should be stored at -20 <sup>o</sup>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.

#### Related Products:

Acrylate PEG NH2AcrylateAcrylate PEG MaleimideAcrylateAcrylate PEG azideAcrylate

Acrylate	PEG	FITC
Acrylate	PEG	COOH
Acrylate	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.