

## TECHNICAL DATA SHEET

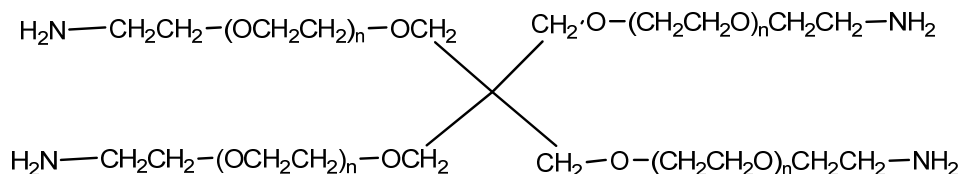
### 4 Arm PEG Amine, MW 2000, 5000, 10k, 20k

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

#### Description:

**4 Arm PEG amine** is one of Nanocs' reactive multiarm PEG derivatives that have 4 amine branches on each star shaped PEG core molecule. Amine functionalized 4 arm PEG can react with NHS, carboxylic groups (-COOH), aldehyde (-CHO) and many other amine reactive molecules. Multi-armed PEG amine is an excellent polymerization reagent that is capable of forming biocompatible and biodegradable biopolymers for medical use. Compared to linear PEG reagents, multi-armed PEG provides more functional groups that can be used for different pegylation reactions. PEGylation can increase solubility of modified materials. It can also increase stability and reduce immunogenicity of modified peptides and proteins. In addition, pegylation suppresses the non-specific binding of charged molecules to the modified surfaces.

#### Product Structure:



#### Product Specifications:

- Composition: **4 Arm PEG amine.**
- Appearance: White to off-white solid or semi-solid depends on molecular weight.
- Solubility: Soluble in water, chloroform, DMSO.
- Reactive group: Primary amine (-NH<sub>2</sub>).

#### Handling and Use:

For best use, **4 arm PEG amine** 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:

**4 arm PEG amine** should be stored at 4-8 °C. Desiccate.

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

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.