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

#### **TECHNICAL DATA SHEET**

# Cy3 PEG Maleimide, MW 1000, 2000, 3400, 5000, 10k, 20k

Catalog Numbers: PG2-MLS3-1k, 2k, 3k, 5k, 10k, 20k.

Synonym: Maleimide PEG Cy3

# **Description:**

**Cy3 PEG Maleimide** is a reactive red fluorescent PEG derivative with excitation/emission wavelength at 550 nm/570 nm. Cy3 gives strong red fluorescent signal while **maleimide** group reacts readily with free thiol (-SH) groups from naturally occurring or mutagenically derived cysteine residues. This reaction proceeds readily at pH 6.5~7.5 to form stable thioether bonds. **Maleimide** functional Cy3 PEG is readily soluble in aqueous solution and all labeling reactions can be carried out in aqueous buffer without need any organic solvents.

# **Product Structure:**

right before use. Avoid frequent thaw and freezing. For more information about using this product, visit www.nanocs.net.

### **Storage Conditions:**

**Cy3 PEG Maleimide** be stored at -20 °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:**

Cy5 PEG Maleimide

Biotin PEG Maleimide

Cy3 PEG NHS

## **Product Specifications:**

Composition: Cy3 PEG maleimide.

Appearance: Pink/red solid, semi-solid

depends on molecular weight.

Solubility: 10 mg/mL in water, ethanol,

chloroform, DMSO, clear.

Reactive group: Maleimide.

• Ex/Em: 550/570 nm.

#### Handling and Use:

**Cy3 PEG Maleimide** should always be kept in low temperature in dry condition. Prepare fresh solution

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