

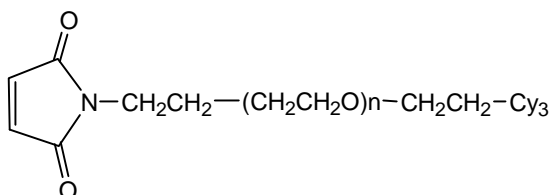
**TECHNICAL DATA SHEET****Cy3 PEG Maleimide, MW 1000, 2000, 3400, 5000, 10k, 20k**

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:****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

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:**

**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](#)**To Order:**Order online: [www.nanocs.net](http://www.nanocs.net)Order by Email: [sales@nanocs.com](mailto:sales@nanocs.com)

Order by phone: 1(800) 388-4221; 1(888) 908-8803

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