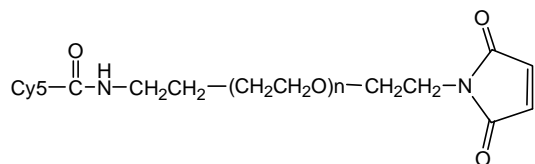


TECHNICAL DATA SHEET**Cy5 PEG Maleimide, MW 1000, 2000, 3400, 5000, 10k, 20k**

Catalog Numbers: PG2-MLS5-1k, 2k, 3k, 5k, 10k, 20k.

Synonym: Maleimide PEG Cy5
Similar products: SF650 Maleimide**Description:**

Cy5 PEG Maleimide is one of Nanocs' thiol reactive near infrared fluorescent PEG derivatives with excitation/emission wavelength at 650 nm/670 nm. Cy5 fluorophore emits strong near infrared fluorescent light upon excited at 650 nm while maleimide group reacts readily with free sulfhydryl group. Thiol maleimide reaction proceeds readily at pH 6.5~7.5 to form a stable thioether bond. Reaction between Maleimide and thiol allows the labeling and conjugation of Cy5 PEG to the surface of proteins, antibodies or particles. PEG bridged between Cy5 dye and Maleimide group offers better water solubility, flexible linker structure and enhanced stability. Compared to other fluorescent dyes, Nanocs' reactive fluorescent PEG dyes are brighter, more stable and easier to use. All our reactive fluorescent PEG dyes can be used directly in aqueous buffer without need adding any organic solvents.

Product Structure:**Product Specifications:**

- Composition: **Cy5 PEG maleimide.**
- Appearance: Blue/dark blue solid, semi-solid depends on molecular weight.
- Solubility: 10 mg/mL in water, ethanol, chloroform, DMSO, clear.
- Reactive group: Maleimide.
- Ex/Em wavelength: 650 nm/670 nm.

Handling and Use:

Cy5 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.

Storage Conditions:

Cy5 PEG Maleimide should be stored at -20 °C. Desiccate. Protect from light. Materials may be handled under inert gas for best stability.

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

Related Products:

Cy5 PEG amine	Cy5 PEG DSPE
Cy5 PEG COOH	Cy5 PEG SH
Cy5 PEG Biotin	Cy5 PEG Azide
Cy5 PEG DBCO	Cy5 PEG NHS

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