

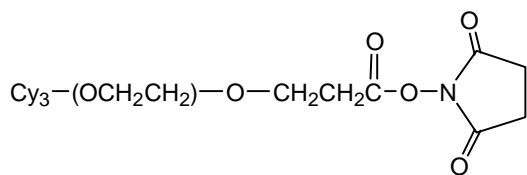
TECHNICAL DATA SHEET**Cy3 PEG NHS, MW 1000, 2000, 3400, 5000, 10k, 20k**

Catalog Numbers: PG2-NSS3-1k, 2k, 3k, 5k, 10k, 20k.

Synonym: NHS PEG Cy3

Description:

Cy3 PEG NHS is one of Nanocs' amine reactive fluorescent PEG derivatives that have a Cy3 dye at one end of PEG chain and a NHS group on the other PEG terminus. Cy3 is a bright fluorescent dye that gives strong red fluorescent light around 570 nm upon excited at 550 nm. Succinimidy NHS ester functionalized Cy3 PEG can react amine group quickly and efficiently. Reaction of NHS to amine allows the labeling and conjugation of Cy3 PEG to the surface of proteins, antibodies or particles. PEG linker between Cy3 dye and NHS group offers better water solubility, flexible linker structure and enhanced stability. Compared to other common 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: **Cy3 PEG NHS.**
- Appearance: Pink/red solid, semi-solid depends on molecular weight.
- Solubility: Soluble in water, ethanol, chloroform, DMSO, DMF etc.
- Reactive group: NHS.
- Reactive to: Primary amine ($-\text{NH}_2$).

Handling and Use:

Cy3 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:

NHS PEG Cy3 should be stored at $-20\text{ }^\circ\text{C}$. 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:

Cy3 PEG Maleimide

Cy3 PEG amine

Cy3 PEG COOH

Cy3 PEG Azide

Cy3 PEG Biotin

Cy3 PEG Thiol

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