

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

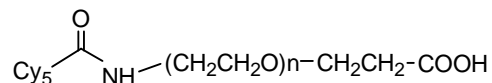
Catalog Numbers: PG2-CAS5-1k, 2k, 3k, 5k, 10k, 20k.

Similar products: SF™650 PEG COOH, Alexa Fluoro 647 PEG COOH

Synonym: Carboxylic acid PEG Cy5, Cy5 PEG acid, Cy5 PEG Carboxylic acid

Description:

Cy5 PEG acid (Cy5-PEG-COOH) is one of Nanocs' 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 COOH group can be activated to react with amine or hydroxy groups. Reaction between COOH and other groups allows the labeling and conjugation of Cy5 PEG to the surface of proteins, antibodies or particles. PEG linker between Cy5 dye and NHS 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 COOH.**
- Ex/Em: 650/670 nm
- Appearance: Blue/dark blue solid, semi-solid depends on molecular weight.
- Solubility: Soluble in water, chloroform, DMSO.
- Reactive group: $-\text{COOH}$,

Handling and Use:

Cy5 PEG acid 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 COOH should be stored at $-20\text{ }^\circ\text{C}$. 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 maleimide	Cy5 PEG SH
Cy5 PEG Biotin	Cy5 PEG Azide
Cy5 PEG DBCO	Cy5 PEG NHS

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