

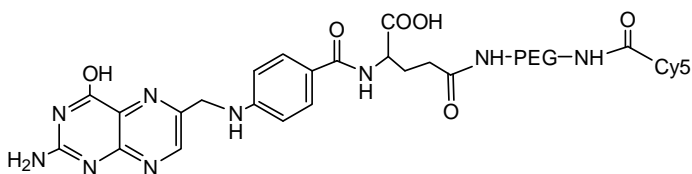
TECHNICAL DATA SHEET**Folic acid PEG Cy5, MW 2000, 3400, 5000, 10k, 20k**

Catalog Numbers: PG2-FAS5-2k, 3k, 5k, 10k, 20k.

Synonym: Cy5 PEG folate, Cy5 PEG Folic acid, Folate PEG Cy5

Description:

Cy5 PEG Folic acid (Folate-PEG-Cy5) is one of Nanocs' near infrared fluorescent folate PEGs that have excitation/emission wavelength at ~650 nm/~675 nm. Folic acid is also known as vitamin M, vitamin B9 or pteroyl-L-glutamic acid. Folic acid is essential for numerous biological functions. It participates in the synthesis, repairing and methylation of DNA as well as to act as a cofactor in many biological reactions. Folic acid is a ligand to folate receptors on cell surface. Fluorescent PEG folate can be easily traced with its fluorescent signal. PEG linked Cy5 Folic acid emits strong near infrared fluorescent light upon excited at 650 nm. PEG linker bridged Folic acid and Cy5 dye offers better water solubility, less steric hindrance and enhanced photo-stability. **Cy5 PEG Folate** is an excellent **folate receptor** probe. With its strong near infrared fluorescence, this reagent can be used to detect and imaging folate receptors in cell surface both *in-vitro* and *in-vivo*.

Product Structure:**Product Specifications:**

- Composition: **Cy5 PEG folate.**
- Appearance: Dark blue solid, semi-solid depends on molecular weight.
- Solubility: Soluble in water, DMSO.
- Function group: **Folic acid.**
- Ex/Em wavelength: 650 nm/680 nm.

Handling and Use:

Folic acid PEG Cy5 is sensitive to light and temperature. For best use, material should always be kept in low temperature in dry condition. Protect from light. Avoid frequent thaw and freezing. For more information about using this product, visit www.nanocs.net.

Storage Conditions:

Cy5 PEG Folate should be stored at -20 °C. 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:

Folate PEG NH ₂	Folate PEG Cy3
Folate PEG NHS	Folate PEG Cy5.5
Folate PEG COOH	Folate PEG Thiol
FITC PEG Folate	

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