

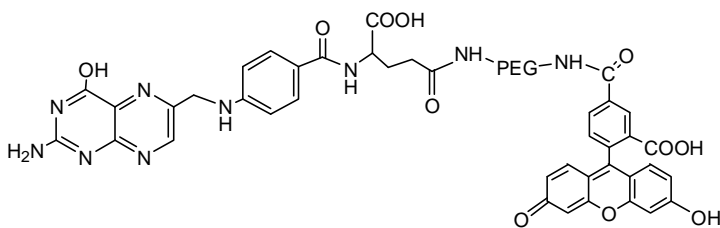
TECHNICAL DATA SHEET**Folic acid PEG Fluorescein, MW 1000, 2000, 3400, 5000, 10k, 20k**

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

Synonym: Folate PEG Fluorescein, Folate PEG FITC, FITC PEG Folate, Fluorescein PEG Folic acid

Description:

Folic acid (Folate) PEG Fluorescein is one of Nanocs' green fluorescent folate PEG derivatives that have excitation/emission wavelength at ~490 nm/~520 nm. Fluorescein labeled **PEG folate** is a linear molecule with folic acid attached to one terminus of PEG chain and a fluorescein dye linked to the other PEG terminus. Folic acid is also known as vitamin M, vitamin B9 or pteroyl-L-glutamic acid. Folic acid is an essential bioactive molecule 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 surfaces. With its strong fluorescence, Nanocs' **fluorescein PEG folate** is an excellent fluorescent probe to target and detect folate receptors both *in-vitro* and *in-vivo*.

Product Structure:**Product Specifications:**

- Composition: **Folic acid PEG Fluorescein.**
- Appearance: Orange/yellow solid, semi-solid depends on molecular weight.
- Solubility: Soluble in water, DMSO, DMF, etc.
- Function group: **Folic acid.**
- Ex/Em wavelength: 495 nm/515 nm (FITC).

Handling and Use:

Folic acid PEG fluorescein 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:

Folate PEG FITC should be stored at -20 °C. Protect from light. Materials may be handled under inert gas for best stability. Re-test material after 12 months.

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

Related Products:

Folate PEG NH₂
Folate PEG NHS
Folate PEG COOH
Cy5 PEG Folate

Folate PEG DSPE
Folate PEG Maleimide
Folate PEG Thiol

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