

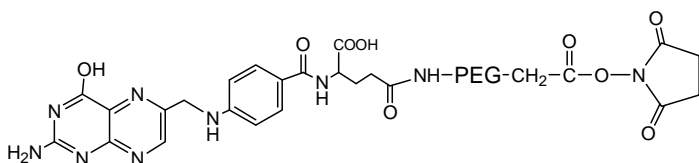
TECHNICAL DATA SHEET**Folic acid PEG NHS, MW 1000, 2000, 3400, 5000, 10k, 20k**

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

Synonym: Folate PEG NHS, NHS PEG Folate, NHS PEG Folic acid

Description:

Folic acid PEG NHS, sometime called **NHS PEG folate**, is one of Nanocs' amine reactive **folate PEG** derivatives that have a folic acid on one terminus of PEG chain and a succinimidyl **NHS** group on the other PEG end. 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. NHS functionalized **folate acid PEG** enables attachment of folic acid to amine groups from other molecules or materials quickly and efficiently. NHS reacts with primary amine group at elevated pH to form a stable amide bond. Flexible PEG chain between NHS and folate offers better water solubility, less steric hindrance and higher stability. Molecules or materials conjugated with PEG folic acid are useful for targeted drug delivery, cellular imaging and bioassay development.

Product Structure:**Product Specifications:**

- Composition: **Folic acid PEG NHS.**
- Appearance: Orange/yellow solid, semi-solid depends on molecular weight.
- Solubility: Soluble in water, DMSO.
- Function group: **Folic acid.**
- Reactive group: **NHS.**

Handling and Use:

Folate PEG NHS 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:

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

Folate PEG DSPE
Folate PEG Maleimide
Folate PEG Thiol

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