

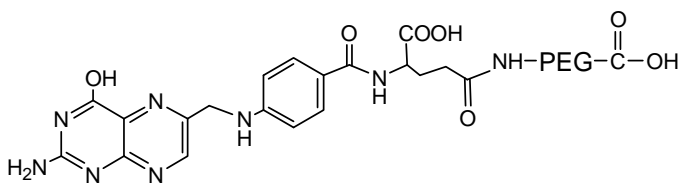
TECHNICAL DATA SHEET**Folic acid PEG acid, MW 1000, 2000, 3400, 5000, 10k, 20k**

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

Synonym: Folate PEG Acid, Folic acid PEG COOH, Folate PEG COOH, Carboxylic PEG Folate

Description:

Folic acid PEG carboxylic acid is one of Nanocs' reactive **folate PEG** derivatives that have a folic acid on one terminus of PEG chain and a carboxylic (-COOH) group on the other. 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. Carboxylic acid functionalized **folic acid PEG** allows the attachment of folic acid to other molecules and materials quickly and efficiently through reaction between COOH and other groups, such as amine, hydroxyl, etc. PEG linker between COOH and folate offers with higher water solubility, less steric hindrance and better reactivity. 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 acid.**
- Appearance: Orange/yellow solid, semi-solid depends on molecular weight.
- Solubility: Soluble in water, DMSO.
- Function group: **Folic acid.**
- Reactive group: Carboxylic acid (COOH).

Handling and Use:

Folate PEG acid 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:

Carboxyl 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 6 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 Maleimide

Cy5 PEG Folate

Folate PEG DSPE

Folate PEG NHS

Folate PEG Thiol

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