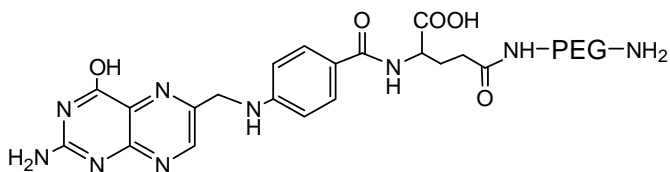


**TECHNICAL DATA SHEET****Folic acid PEG amine, MW 1000, 2000, 3400, 5000, 10k, 20k**

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

Synonym: Folate PEG amine, Folate PEG NH<sub>2</sub>, Amino PEG folate, Folic acid PEG NH<sub>2</sub>**Description:**

**Folic acid PEG amine** is one of Nanocs' reactive **folate PEG** derivatives that contain a folic acid and a primary amine group on each 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. Amine functionalized **folate acid PEG** allows the attachment of folic acid to other molecules or materials quickly and efficiently. Flexible PEG chain between amine and folate offers higher water solubility, less steric hindrance and enhanced stability. Molecules or materials conjugated with PEG folic acid is useful for targeted drug delivery, cellular imaging and bioassay development.

**Product Structure:****Product Specifications:**

- Composition: **Folic acid PEG amine.**
- Appearance: Orange/yellow solid, semi-solid depends on molecular weight.
- Solubility: Soluble in water, DMSO.
- Function group: **Folic acid.**
- Reactive group: **Amine (-NH<sub>2</sub>).**

**Handling and Use:**

**Folic acid PEG amine** 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](http://www.nanocs.net).

**Storage Conditions:**

**Folate PEG amine** 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 NHS  
Folate PEG COOH  
Cy5 PEG Folate

Folate PEG DSPE  
Folate PEG Maleimide  
Folate PEG Thiol

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