

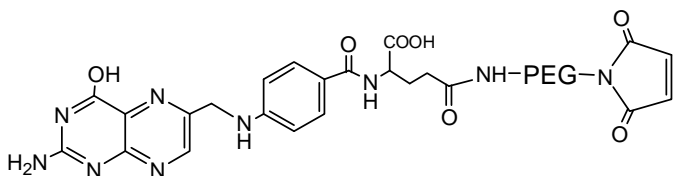
TECHNICAL DATA SHEET**Folic acid PEG Maleimide, MW 1000, 2000, 3400, 5000, 10k, 20k**

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

Synonym: Folate PEG Maleimide, Maleimide PEG Folate, Maleimide PEG Folic acid

Description:

Folic acid PEG Maleimide, also called **Maleimide PEG folate**, is one of Nanocs' reactive **folate PEG** derivatives that have a folic acid on one terminus of PEG chain and a maleimide 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. Maleimide functionalized **folic acid PEG** allows the attachment of folic acid to other molecules and materials quickly and efficiently through reaction between thiol and maleimide. Maleimide reacts with sulfhydryl (thiol) groups at neutral pH with high specificity and efficiency. PEG chain between maleimide and folate offers with higher water solubility, flexible linker structure and enhanced 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 Maleimide.**
- Appearance: Orange/yellow solid, semi-solid depends on molecular weight.
- Solubility: Soluble in water, DMSO.
- Function group: **Folic acid.**
- Reactive group: Maleimide.

Handling and Use:

Folate PEG Maleimide 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:

Maleimide 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 NHS
Folate PEG Thiol

To Order:Order online: www.nanocs.netOrder by Email: sales@nanocs.com

Order by phone: 1(800) 388-4221; 1(888) 908-8803

For more information, visit www.nanocs.net

The information given in this document is to the best of our knowledge accurate, but no warranty is expressed or implied. It is the user's responsibility to determine the suitability for their own use of the products described herein, and since conditions of use are beyond our control, we disclaim all liability with respect to the use of any material supplied by us. Nothing contained herein shall be construed as a recommendation to use any product or to practice any process in violation of any law or any government regulation.