

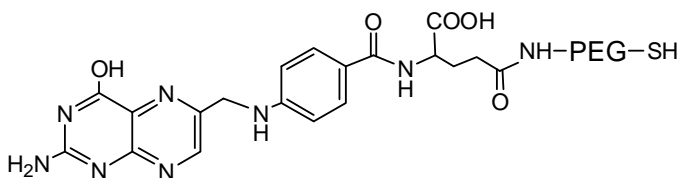
TECHNICAL DATA SHEET**Folic acid PEG Thiol, MW 1000, 2000, 3400, 5000, 10k, 20k**

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

Synonym: Folate PEG Thiol, Thiol PEG Folate, Thiol PEG Folic acid, Folate PEG SH

Description:

Folic acid PEG Thiol (Folate PEG SH) is one of Nanocs' reactive **folate PEG** derivatives that have a folic acid on one terminus of PEG chain and a thiol (-SH) 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. Thiol functionalized **folate PEG** allows the attachment of folic acid to gold nanoparticles or other molecules through its reaction to thiol reactive groups, such as maleimide. PEG linker bridged folic acid and thiol offers better 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 Thiol.**
- Appearance: Orange/yellow solid, semi-solid depends on molecular weight.
- Solubility: Soluble in water, DMSO.
- Function group: **Folic acid.**
- Reactive group: Sulfhydryl/Thiol.

Handling and Use:

Folate PEG Thiol 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:

Thiol 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 DSPE
Folate PEG NH ₂	Folate PEG NHS
Folate PEG COOH	Folate PEG Thiol
Maleimide PEG Folate	

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