

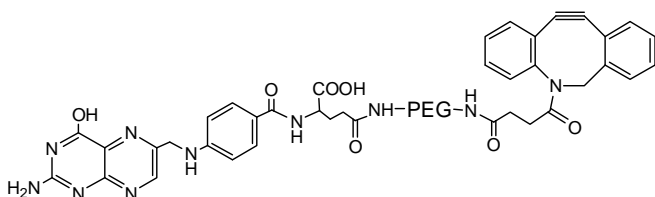
TECHNICAL DATA SHEET**DBCO PEG Folic Acid, MW 1000, 2000, 3400, 5000, 10k, 20k**

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

Synonym: Folic acid PEG DBCO, DBCO PEG Folate, Folate PEG DBCO

Description:

DBCO PEG Folic acid is one of Nanocs' folic acid PEG derivatives that can go Click Chemistry reaction without a need of any catalysts. DBCO (Dibenzylcyclooctyne) is a commonly used azide reactive cyclooctyne group. The strain-promoted 1,3-dipolar cycloaddition of cyclooctynes and azides, also termed as the Cu-free click reaction, is a bioorthogonal reaction that enables the conjugation of two molecules in aqueous solution. DBCO PEG derivatives possess fast kinetics and good stability in aqueous buffer. Reaction between DBCO and azide allows the conjugation of folic acid to biopolymers, particles and other substrates with high efficiency. 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. PEG linker between DBOC and Folate offers good water solubility, flexible linker structure and enhanced stability.

Product Structure:**Product Specifications:**

- Composition: **DBCO PEG Folic acid.**
- Appearance: Yellow/orange solid, semi-solid depends on molecular weight.
- Solubility: 5 mg/mL, clear in water & DMSO.
- Reactive group: DBCO.
- Function group: Folic acid

Handling and Use:

Folate DBCO PEG should always be kept in low temperature in dry condition. Prepare fresh solution right before use. Avoid frequent thaw and freezing. For more information about using this product, visit www.nanocs.net.

Storage Conditions:

Folic acid PEG DBCO should be stored at -20 °C. Desiccate. Protect from light. Materials may be handled under inert gas for best stability.

This product is for research use only and is not intended for use in humans or for diagnostic use.

Related Products:DBCO PEG NHS
DBCO PEG Maleimide
DBCO PEG FITCDBCO PEG NH₂
DBCO PEG Thiol**To Order:**Order online: www.nanocs.netOrder by Email: sales@nanocs.com

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