

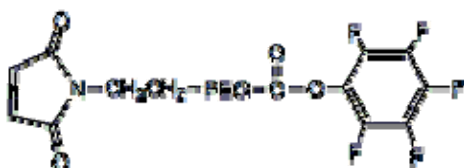
TECHNICAL DATA SHEET**Maleimide PEG PFP, MW 2000, 3400, 5000, 10k, 20k**

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

Synonym: Pentafluorophenyl PEG Maleimide, PFP PEG Maleimide, PFP-PEG-Mal

Description:

Maleimide PEG PFP (Pentafluorophenyl) is one of Nanocs' heterobifunctional PEG crosslinkers that contain a thiol reactive maleimide and an amine reactive pentafluorophenyl group. Maleimide reacts with sulfhydryl groups at pH 6.5-7.5 to form a stable thiol-ether bond while PFP reacts with amine groups at pH 7-9 to form a stable amide bond. Compared to other amine reactive functional PEGs, **PFP PEGs** have higher reactivity yet with better stability in aqueous buffer. PFP reacts not only with primary amines, but also with secondary amine groups. PEG linker between maleimide and PFP group offers less steric hindrance, better water solubility and enhanced stability. PEGylation can increase stability and reduce immunogenicity of pegylated peptides and proteins. It can also suppress the non-specific binding of charged molecules to the modified surfaces.

Product Structure:**Product Specifications:**

- Composition: **Maleimide PEG PFP.**
- Appearance: Off-white solid.
- Solubility: 10 mg/mL, clear in water, ethanol, chloroform, DMSO.
- Reactive groups: Maleimide, PFP.
- Reactive to: Sulfhydryl, amines.

Handling and Use:

Maleimide PEG PFP is sensitive to moisture and temperature. For best use, material 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:

PFP PEG maleimide should be stored at -20 °C. Desiccate. 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:

Maleimide PEG FITC
Maleimide PEG NHS
DSPE PEG Maleimide

Maleimide PEG NH2
Maleimide PEG Azide
Maleimide PEG COOH

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