

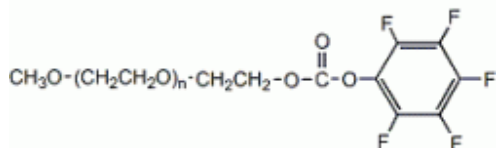
TECHNICAL DATA SHEET**Methoxy Polyethylene Glycol pentafluorophenyl ester, mPEG-PFP**

Catalog Numbers: PG1-PFP-1k, 2k, 5k, 10k, 20k, 30k, 40k.

Synonym: Methoxy PEG PFP, methoxypolyethylene glycol PFP, PEG PFP

Description:

Pentafluorophenyl (PFP) functionalized **methoxy polyethylene glycol (mPEG-PFP)** is an amine (-NH₂) reactive PEG derivative that can be used to modify proteins, antibodies, peptides or other materials with available amino groups. **PFP PEG** reacts with both primary and secondary amine groups at alkaline pH. Reaction between PFP and amine results stable amide bond. Compared to other amine reactive **PEG** ester derivatives, such as NHS PEG, PFP PEG ester offers greater reactivity and higher stability in aqueous solution.

Product Structure:**Product Specifications:**

- Composition: mPEG pentafluorophenyl ester.
- Appearance: White/Off-white solid or semi-solid depends on molecular weight.
- Purity: > 95%;
- Solubility: Soluble in water, chloroform, DMSO, DMF.
- Stability: 6-12 months at -20 °C.

Handling and Use:

mPEG PFP esters readily undergo hydrolysis at elevated temperature. 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 Products should be stored at -20 °C. Desiccate. 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.

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