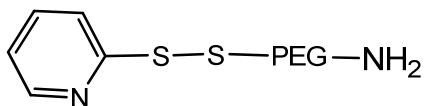


**TECHNICAL DATA SHEET****OPSS-PEG-NH<sub>2</sub>, MW 1000, 2000, 3400, 5000, 10k, 20k**

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

Synonym: PDP PEG amine, PDP PEG NH<sub>2</sub>, Amino PEG OPSS**Description:**

**OPSS PEG Amine (OPSS-PEG-NH<sub>2</sub>)** is one of Nanocs' heterobifunctional polyethylene glycol crosslinkers that have a thiol reactive group and a primary amine group bridged by a linear PEG chain. OPSS (ortho-pyridyldisulfide, PDP) is a commonly used sulfhydryl reactive group that reacts readily with free thiol groups at pH 4.5–8.5 to form a cleavable disulfide bond. Meanwhile, primary amine can be used to react with many amine reactive groups such as NHS, COOH, etc. PEG linker between OPSS and NHS offers better water solubility, less steric hindrance and enhanced reactivity. Compared to other crosslinkers, PEG crosslinkers from Nanocs have more choices for their functionality and are easy to use; all crosslinking reactions can be carried out in aqueous solution without need adding any organic solvents.

**Product Structure:****Product Specifications:**

- Composition: **OPSS PEG amine.**
- Appearance: White/off-white solid, semi-solid depends on molecular weight.
- Solubility: Soluble in water, chloroform, DMSO, etc.
- Reactive groups: Pyridyldisulfide, NH<sub>2</sub>.

**Handling and Use:**

**OPSS PEG amine** 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](http://www.nanocs.net).

**Storage Conditions:**

**Amine PEG OPSS** should be stored at -20 °C. Desiccate. 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:**

OPSS PEG NHS	OPSS PEG FITC
OPSS PEG amine	OPSS PEG Biotin
Silane PEG OPSS	DBCO PEG OPSS
OPSS PEG azide	

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