

TECHNICAL DATA SHEET

Maleimide PEG OPSS, MW 1000, 2000, 3400, 5000, 10k, 20k

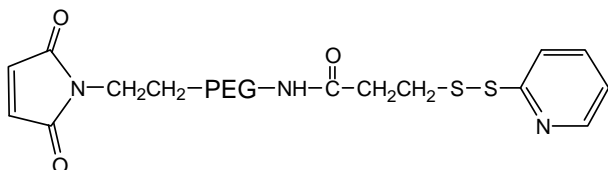
Catalog Numbers: PG2-MLOS-1k, 2k, 3k, 5k, 10k, 20k.

Synonym: Pyridyldisulfide PEG Maleimide, OPSS PEG Maleimide, PDP PEG Maleimide

Description:

Maleimide PEG OPSS (pyridyldisulfide) is one of Nanocs' sulfhydryl reactive heterobifunctionalized polyethylene glycol derivatives. Both maleimide and OPSS groups are reactive toward free thiol/sulfhydryl (-SH) groups (-SH). While maleimide reacts with thiol at pH 6.5~7.5 to form a stable, non-cleavable thioether bond, OPSS reacts thiol at acidic condition and the reactions results a cleavable disulfide bond which may be reduced by common disulfide reducing reagents.

Product Structure:



Storage Conditions:

PDP PEG Maleimide 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.

Related Products:

Maleimide PEG FITC
Maleimide PEG NHS
DSPE PEG Maleimide

Maleimide PEG NH2
Maleimide PEG Azide
Maleimide PEG COOH

Product Specifications:

- Composition: **Maleimide PEG OPSS.**
- Appearance: White/off-white solid, semi-solid depends on molecular weight.
- Solubility: 10 mg/mL in water chloroform, DMSO, clear.
- Reactive groups: Maleimide, OPSS.
- Reactive to: Sulfhydryl/thiol.

Handling and Use:

Maleimide PEG OPSS 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.

To Order:

Order online: **www.nanocs.net**

Order by Email: sales@nanocs.com

Order by phone: 1(800) 388-4221; 1(888) 908-8803

For more information, visit www.nanocs.net