

TECHNICAL DATA SHEET**Methoxy polyethylene glycol amine, mPEG amine**

Catalog Numbers: PG1-AM-350, 550, 750, 1k, 2k, 5k, 10k, 20k, 30k, 40k.

CAS number: 80506-64-5 | Linear Formula $\text{CH}_3\text{O}(\text{CH}_2\text{CH}_2\text{O})_n\text{CH}_2\text{CH}_2\text{NH}_2$ | MDL number MFCD00131599Synonym: Methoxy PEG amine, mPEG-NH₂, Amino PEG, Aminopolyethylene glycol methyl ether, Methoxypolyoxyethylene amine, O-(2-Aminoethyl)-O'-methylpolyethylene glycol**Description:**

Methoxy PEG amine (mPEG-NH₂) is one of Nanocs' monofunctional methoxy polyethylene glycol derivatives with a terminal amine group. Amine group reacts rapidly with succinimidyl NHS ester, carboxylic groups and many other amine reactive functional groups either in aqueous buffers or organic solvents. Amino functional PEG can be used to modify proteins, peptides, antibodies, particles and other materials with its free primary amine group. Nanocs provides a variety of amine functional PEGs that have high purity, narrow molecular weight distribution and wide selection of different PEG length. These PEG amines have been used for biomolecule pegylation, particle surface modification and medical device functionalization.

Product Structure:**Product Specifications:**

- Composition: **mPEG Amine.**
- Appearance: White/off-white solid, semi-solid or liquid depends on molecular weight.
- Purity: > 95%.
- Solubility: 10 mg/mL, clear in water, ethanol, chloroform, DMSO.
- Stability: 12 months at 4~8 °C.

Handling and Use:

mPEG amine should 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:

Methoxy PEG amine should be stored at 4~8 °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 and manufacturing use only and is not intended for use in humans or for diagnostic use.

Related Products:

mPEG NHS	mPEG Maleimide
mPEG COOH	mPEG Thiol
mPEG biotin	mPEG Azide
mPEG DSPE	mPEG aldehyde

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