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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 CH₃O(CH₂CH₂O)_nCH₂CH₂NH₂ | MDL number MFCD00131599

Synonym: 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:

CH₃O-(CH₂CH₂O)_n-CH₂CH₂-NH₂

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

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

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