NANOCS

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TECHNICAL DATA SHEET

Lipoic acid PEG, MW 350, 550, 750, 1k, 2k, 5k, 10k, 20k, 30k, 40k

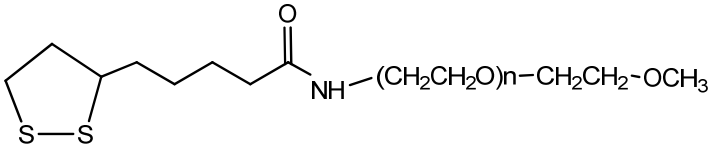
Catalog Numbers: PG1-LA-350, 550, 750, 1k, 2k, 5k, 10k, 20k, 30k, 40k.

Synonym: PEG lipoic acid, mPEG ALA, ALA PEG.

Description:

mPEG Lipoic acid is one of Nanocs' bioactive and surface active PEG derivatives that contain a lipoic acid linked to a linear PEG chain. **Lipoic acid**, also known as **thioctic acid**, is an important molecule participating in various biological processes. It is also a good metal chelator. PEG chain linked to lipoic acid offers good water solubility, flexible linker structure and enhanced biocompatibility. Nanocs' lipoic acid functionalized polyethylene glycol (**LA-PEG**) is readily soluble in water and it can be used for many biomedical applications. With its good binding affinity to gold metal, this item can also be used for gold nanoparticle surface modification.

Product Structure:



Handling and Use:

Lipoic acid PEG 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.**

Storage Conditions:

mPEG Lipoic acid should be stored at 4 ^{0}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:

Lipoic acid PEG NHS
Lipoic acid PEG Maleimide
Lipoic acid PEG NH_2
Lipoic acid PEG COOH

Product Specifications:

- Composition: **Lipoic acid PEG**.
- Appearance: Pale-yellow/yellow solid, semi-solid depends on molecular weight.
- Purity: > 95%.
- Solubility: 10 mg/mL, clear in water, ethanol, chloroform, DMSO, etc.
- Stability: 12 months at 4 ^{0}C.

To Order:

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For more information, visit www.nanocs.net