

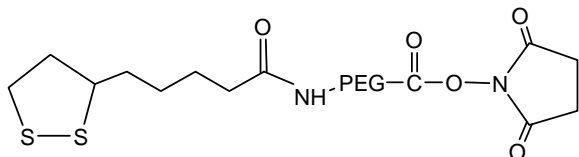
TECHNICAL DATA SHEET**Lipoic acid PEG NHS, MW 1000, 2000, 3400, 5000, 10k, 20k**

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

Synonym: LA PEG NHS, NHS PEG Lipoic acid, Thioctic acid PEG NHS

Description:

Lipoic acid PEG NHS is one of Nanocs' reactive **lipoic acid PEG** derivatives that have a lipoic acid on one terminus of PEG chain and a NHS (succinimidyl ester) group on the other PEG end. Lipoic acid, also known as thioctic acid, is an important molecule participating in various biological processes. It is also a good metal chelator. NHS functionalized **lipoic acid PEG** allows the attachment of lipoic acid to other molecules and materials through reaction between NHS and amine groups. NHS ester reacts with primary amine group at alkaline pH to form a stable amide bond. PEG linker bridged lipoic acid and NHS offers better water solubility, flexible spacer length and enhanced stability.

Product Structure:**Product Specifications:**

- Composition: **Lipoic acid PEG NHS.**
- Appearance: Pale-yellow solid, semi-solid depends on molecular weight.
- Solubility: Soluble in water, DMSO.
- Function group: Lipoic acid.
- Reactive group: NHS.

Handling and Use:

Lipoic acid PEG NHS is sensitive to light and temperature. For best use, material should always be kept in low temperature in dry condition. Protect from

light. Avoid frequent thaw and freezing. For more information about using this product, visit www.nanocs.net.

Storage Conditions:

NHS PEG Lipoic acid should be stored at -20 °C. 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 FITC
Lipoic acid PEG COOHLipoic acid PEG NH2
Lipoic acid PEG Azide**To Order:**Order online: **www.nanocs.net**Order by Email: sales@nanocs.comOrder by phone: 1(800) 388-4221; 1(888)
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