http://www.nanocs.net
Tel: 1(800)388-4221
Fax: 1(917)591-2212
Email: info@nanocs.com

TECHNICAL DATA SHEET

Methoxy polyethylene plycol succinic NHS Ester, mPEG-SA-NHS

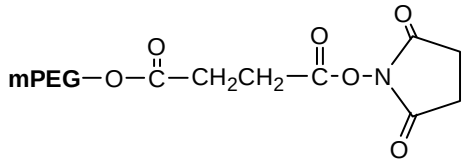
Catalog Numbers: PG1-SSA-1k, 2k, 5k, 10k, 20k, 30k, 40k.

Synonym: MPEG succinic NHS, mPEG succinic acid NHS

Description:

mPEG succinic acid NHS (**mPEG-SA-NHS**) is one of Nanocs' amine reactive pegylation reagents that contain a labile ester bond between PEG and NHS group. Succinic acid NHS PEG reacts with primary amine groups at alkaline pH quickly and efficiently. Reaction between succinic acid PEG NHS and amine group results a labile ester bond formed between PEG chain and modified substrates. Labile ester bond is susceptible to acid or basic conditions, and it can readily degraded in low or high pH, a property that is desired for some fast material degradation needs.

Product Structure:



Product Specifications:

- Composition: **mPEG succinic acid NHS**.
- Appearance: White/Off-white solid or semi-solid depends on molecular weight.
- Solubility: 10 mg/mL, clear in water, chloroform, DMSO.
- Reactive group: Succinimidyl ester, NHS.

Handling and Use:

mPEG succinic acid NHS esters readily undergo hydrolysis at elevated temperature. 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 succinic NHS should be stored at -20 ^{0}C. Desiccate. 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:

mPEG glutaric acid NHS
mPEG Maleimide
mPEG Thiol
mPEG NHS
mPEG COOH
mPEG Silane

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