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TECHNICAL DATA SHEET

tBoc-NH-PEG-NHS, Boc-NH-PEG-NHS

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

Description:

Boc protected polyethylene glycol succinimidyl ester (**tBoc-NH-PEG-NHS**) is an amine (-NH $_2$) reactive monofunctional PEG derivative that can be used to modify protein, peptide or any other surfaces with available amino groups. NHS esters react with primary amine groups at pH $7{\sim}10$ to form stable amide bonds. Deprotection of t-Boc group with TFA releases free primary amine group and it can be used for further reactions.

Product Structure:

Product Specifications:

• Composition: **t-Boc-NH-PEG-NHS**.

Appearance: White/Off-white solid or semi-

solid depends on molecular

weight.

Solubility: Soluble in water, ethanol,

chloroform, DMSO, etc.

Reactive group: NHS.

Handling and Use:

Boc-NH-PEG-NHS 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:

Boc-NH-PEG-NHS should be stored at -20 $^{\circ}$ C. Desiccate. Protect from light. 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:

tBoc-NH-PEG COOH tBoc-NH-PEG-NH2 Fmoc-NH-PEG-NHS Fmoc-NH-PEG-NH2

To Order:

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