

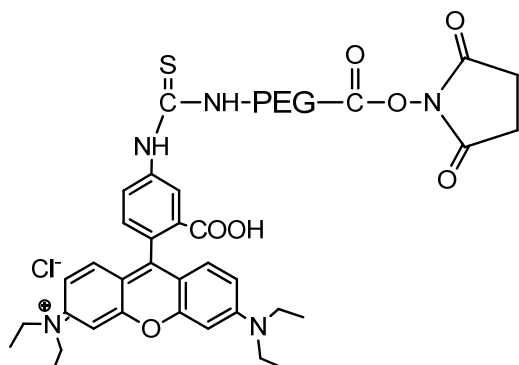
**TECHNICAL DATA SHEET****Rhodamine B PEG NHS, MW 1000, 2000, 3400, 5000, 10k, 20k, 30k, 40k**

Catalog Numbers: PG2-NSRB-1k, 2k, 3k, 5k, 10k, 20k, 30k, 40k.

Synonym: NHS PEG Rhodamine B

**Description:**

**Rhodamine B PEG NHS** (RB-PEG-NHS) is one of Nanocs' reactive red fluorescent PEG dyes that can react with amine group. Rhodamine B is a bright red fluorescent dye with excitation/emission wavelength at around ~544 nm/~576 nm. NHS functionalized PEG rhodamine can react with amine containing biomolecules such as proteins, antibodies and peptides at pH 7~10. Reaction between NHS and amine enables fast and efficient fluorescent labeling and conjugation. PEG linker between Rhodamine and NHS offers better water solubility, flexible spacer length and enhanced photostability. Compared to other organic dyes, Nanocs' PEG rhodamine dye is brighter, more reactive and easier to use. These PEG dyes are readily soluble in water and all labeling and conjugation reactions can be carried out in aqueous buffer without adding any organic solvents.

**Product Structure:****Product Specifications:**

- Composition: **Rhodamine B PEG NHS.**
- Ex/Em: ~544 nm/576 nm.
- Appearance: Pink/dark red solid, semi-solid depends on molecular weight.
- Solubility: 10 mg/mL, clear in water, chloroform, DMSO.

**Handling and Use:**

**Rhodamine B PEG NHS** is sensitive to light, moisture 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](http://www.nanocs.net).

**Storage Conditions:**

**NHS PEG Rhodamine** should be stored at -20 °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:**

Rhodamine PEG NH<sub>2</sub>  
Rhodamine PEG COOH  
Rhodamine PEG DBCO

Rhodamine PEG Thiol  
Rhodamine PEG Maleimide  
Rhodamine PEG Biotin

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