

**TECHNICAL DATA SHEET**

## Rhodamine B PEG Thiol, MW 1000, 2000, 3400, 5000, 10k, 20k

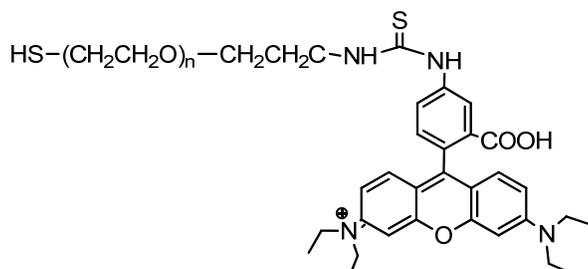
Catalog Numbers: PG2-RBTH-1k, 2k, 3k, 5k, 10k, 20k.

Synonym: Thiol PEG Rhodamine, Rhodamine PEG SH

### Description:

**Rhodamine B PEG thiol** is one of Nanocs' reactive fluorescent PEG dyes that contain a rhodamine dye and a thiol group on each PEG terminus. Rhodamine B is a bright red fluorescent dye with excitation/emission wavelength at around ~544 nm/~576 nm. Thiol functionalized PEG rhodamine can be used to react molecules containing thiol reactive groups such as maleimide and pyridyldisulfide. It can also be used to bind to the gold particle or gold film surface. PEG linker bridged Rhodamine and amine group offers better water solubility, less steric hindrance and enhanced stability. Compared to other organic dyes, Nanocs' fluorescent PEG dyes are brighter, more photo-stable and are easier to use. These PEG dyes can be used directly in aqueous buffer for biomolecule labeling without need adding any organic solvents.

### Product Structure:



### Product Specifications:

- Composition: Rhodamine B PEG thiol.
- Appearance: Pink/red solid, semi-solid depends on molecular weight.
- Solubility: Soluble in water, ethanol, chloroform, DMSO, etc.
- Reactive group: Thiol.
- Ex/Em wavelength: 544 nm/576 nm.

### Handling and Use:

**Rhodamine B PEG thiol** is sensitive to light and air. 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:

**Thiol PEG Rhodamine** should be stored at -20 °C. 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 NHS  
 Rhodamine PEG Biotin  
 Rhodamine PEG Azide

Rhodamine PEG COOH  
 Rhodamine PEG Maleimide  
 Rhodamine PEG DBCO

### To Order:

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