

**TECHNICAL DATA SHEET** 

# Rhodamine B PEG Maleimide, MW 1000, 2000, 3400, 5000, 10k, 20k, 30k.

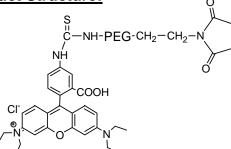
Catalog Numbers: PG2-MLRB-1k, 2k, 3k, 5k, 10k, 20k, 30k, 40k.

Synonym: Maleimide PEG Rhodamine B, TRITC PEG maleimide, TMR PEG Maleimide

## **Description:**

Rhodamine B PEG maleimide (RB-PEG-Mal) is one of Nanocs' reactive red fluorescent PEG dyes that can sulfhydryl/thiol groups. Rhodamine B is a bright red fluorescent dye with excitation/emission wavelength at around ~544 nm/~576 nm. Maleimide functionalized Rhodamine B PEG dyes can react with thiol group containing molecules such as proteins, antibodies, peptides or particles at pH 6.5~7.5. Reaction between maleimide and thiol enables fast fluorescent labeling and conjugation. PEG linker bridged Rhodamine and Maleimide offers better water solubility, less steric hydrance and enhanced stability. Compared to other organic dyes, Nanocs' fluorescent PEG dyes are brighter, more photo-stable and easier to use. These PEG dyes can be used directly in aqueous solution for biomolecule labeling without need any organic solvents.

#### **Product Structure:**



#### Product Specifications:

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

## Handling and Use:

**Rhodamine B PEG maleimide** 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.

### Storage Conditions:

**Maleimide PEG Rhodamine B** should be stored at -20 <sup>o</sup>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 NH2Rhodamine PEG ThiolRhodamine PEG COOHRhodamine PEG NHSRhodamine PEG DBCORhodamine PEG Biotin

<u>To Order:</u>	
Order online:	www.nanocs.net
Order by Email:	sales@nanocs.com
Order by phone:	1(800) 388-4221; 1(888) 908-8803
For more information, visit www.nanocs.net	

The information given in this document is to the best of our knowledge accurate, but no warranty is expressed or implied. It is the user's responsibility to determine the suitability for their own use of the products described herein, and since conditions of use are beyond our control, we disclaim all liability with respect to the use of any material supplied by us. Nothing contained herein shall be construed as a recommendation to use any product or to practice any process in violation of any law or any government regulation.