

TECHNICAL DATA SHEET

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

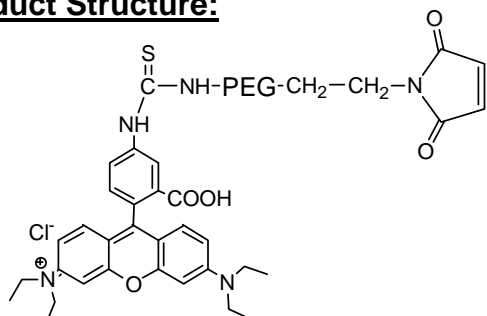
Catalog Numbers: PG2-MLRB-1k, 2k, 3k, 5k, 10k, 20k, 30k, 40k.

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 °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 NH₂
 Rhodamine PEG COOH
 Rhodamine PEG DBCO

Rhodamine PEG Thiol
 Rhodamine PEG NHS
 Rhodamine PEG Biotin

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