

TECHNICAL DATA SHEET

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

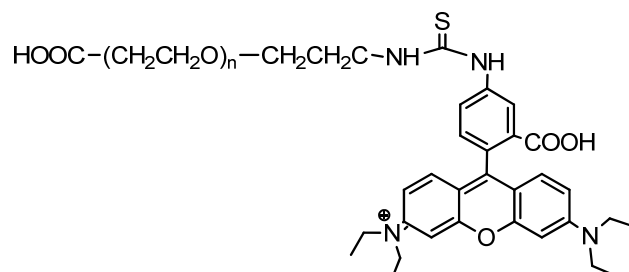
Catalog Numbers: PG2-CARB-1k, 2k, 3k, 5k, 10k, 20k.

Synonym: Carboxylic PEG Rhodamine, Rhodamine B PEG COOH

Description:

Rhodamine B PEG acid (Rhodamine PEG COOH) is one of Nanocs' reactive red fluorescent PEG derivatives that contain a rhodamine dye and a carboxylic group on each PEG terminus. Rhodamine B is a bright red fluorescent dye with excitation/emission wavelength at around ~544 nm/~576 nm. Carboxylic acid functionalized PEG rhodamine can react with amine or hydroxyl group containing molecules upon activated. PEG linker bridged Rhodamine and COOH offers better water solubility, flexible spacer structure and enhanced photo-stability. Compared to other organic dyes, Nanocs' Rhodamine PEG dyes are brighter, more reactive and easier to use. These PEG dyes are readily soluble in water and can be used directly in aqueous solution to label biomolecules such as proteins, antibodies, peptides, etc. without need of any organic solvents.

Product Structure:



Product Specifications:

- Composition: **Rhodamine B PEG acid.**
- Appearance: Pink/red solid, semi-solid depends on molecular weight.
- Solubility: 5 mg/mL, clear in water, chloroform, DMSO.
- Reactive group: -COOH.
- Ex/Em wavelength: 544 nm/576 nm.

Handling and Use:

Rhodamine B PEG acid 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.

Storage Conditions:

Rhodamine B PEG COOH should be stored at -20 °C. Protect from light. Materials may be handled under inert gas for best stability. Re-test material after 12 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 NHS
 Rhodamine PEG DBCO

Rhodamine PEG Thiol
 Rhodamine PEG Maleimide
 Rhodamine PEG Biotin

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