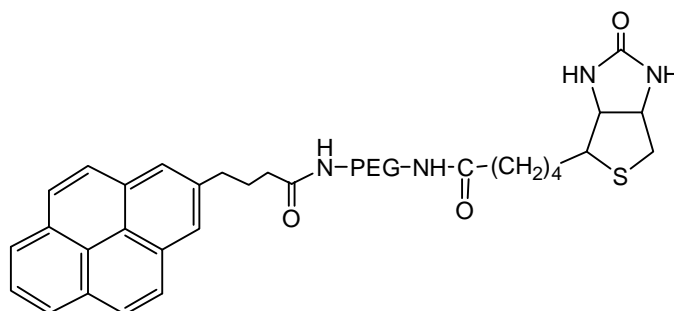


TECHNICAL DATA SHEET**Pyrene-PEG-Biotin, MW 1000, 2000, 3400, 5000, 10k, 20k**

Cat# PG2-BNPN-1k, 2k, 3k, 5k, 10k, 20k

Pyrene PEG Biotin is one of Nanocs' biotinylated fluorescent dyes that can bind to avidin, streptavidin or neutravidin. Pyrene is a unique fluorescent dye that has exceptionally long excited-state lifetimes (>100 nanoseconds). The long excited-state life time of this dye makes it useful for time-resolved fluorescent immunoassays, probing oxygen in cells and lipid vesicles. Biotin is a commonly used small molecule tag that can recognize and bind to avidin, streptavidin or neutravidin with high affinity. Pyrene labeled biotin thus can be used for fluorescent assay development and cellular structural study. PEG linker between Pyrene and Biotin offers better water solubility, less steric hindrance and enhanced stability. Compared to other common fluorescent dyes, Nanocs' reactive fluorescent PEG dyes are brighter, more stable and easier to use. All our reactive fluorescent PEG dyes can be used directly in aqueous buffer without need adding any organic solvents.

Product Structure:**Product Specifications:**

- Molecular composition: Pyrene PEG Biotin
- Appearance (form): Solid or semi-solid depends on molecular weight of PEG
- Appearance (color): Off-white to pale yellow
- Ex/Em wavelength: 339/384 nm
- Reactive toward: Avidin, streptavidin or neutravidin
- Solubility: 10 mg/mL, clear in DMSO, water and chloroform

Storage Conditions:

Pyrene PEG Biotin should be stored at <4 °C. Protect from light.

This product is for research use only.

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