

Product Data Sheet

Product Name: PE-VF594

Cat. No.: GC80381

Chemical Properties

Cas. No.

Formula

M.Wt

Solubility

Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

PE-VF594

Background

PE-VF594 is a high-brightness fluorescent dye used in flow cytometry, primarily for labeling antibodies or streptavidin to help identify specific cell subpopulations. PE-VF594 is a tandem dye

Caution: Product has not been fully validated for medical applications. For research use only.

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composed of two covalently linked fluorescent groups: one is phycoerythrin (PE), responsible for absorbing laser energy; the other is the receptor molecule VF594. Energy is transferred from PE to VF594 via fluorescence resonance energy transfer (FRET) mechanism (Ex/Em = 450-500 nm/614 nm).

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