

AF 680 NHS Ester

Article number: KF-YG0686

specification: 1mg/5mg/25mg

Product Application

AF 680 is a bright and photostable near-infrared dye with a spectrum similar to Cy5.5 dyes. AF 80 dyes are used to generate stable signals in imaging and flow cytometry, and are water-soluble and pH-insensitive (pH 4 to pH 10). The fluorescence this long-wavelength AF dye is invisible to the human eye, but is easily detected by most imaging systems. In addition to reactive dye formulations, we offer AF 680 that can be conjugated to a variety of antibodies, peptides, proteins, tracers, and amplification substrates, and are optimized for cell labeling and detection. The NHS ester (or succinidyl ester) of AF680 is the most commonly used tool for conjugating this dye to proteins or antibodies. NHS esters can be used to label primary amines (RNH₂) on proteins, amine-modified oligonucleotides, and other amine-containing molecules. The resulting AF conjugates will exhibit brighter fluorescence and higher photostability than conjugates of otherrally similar fluorophores.





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Storage and transportation

Transport conditions: Cold

Storage conditions: -20° C, dry, protected from light.

