

Ready BODIPY-Tagging of Carboxylic Acids

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Meso-aminoBODIPY and four functionalized analogues are presented as stable and efficient starting materials for the tagging of carboxylic acids via the classical Steglich amidation protocol (DCC, DMAP) at room temperature. Using this methodology, 18 new derivatives were synthesized in moderate to high yields (30–86%) from unsubstituted *meso*-aminoBODIPY, along with four additional analogues obtained from functionalized amino derivatives in yields ranging from 50 to 77%. This approach displayed excellent tolerance towards the functional groups present in the starting carboxylic acids. Photophysical studies on selected BODIPYS in chloroform reveal that the amidation results in a strong bathochromic shift (60-80 nm) in both, absorption and emission maxima with a particular fluorochromism from blue to green. In addition, the *meso*-amide derivatives maintain the very high fluorescence quantum yield of their amine precursors with short lifetimes; properties that will be applied for fluorescence sensing. This and other applications of the BODIPY chemistry will be presented.