

**Bodi Fluor™ 576/589 NHS Ester (equivalent to BODIPY™ 576/589 NHS Ester)**Catalog number: 661  
Unit size: 5 mg**Product Details**

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Storage Conditions	Freeze (<-15 °C), Minimize light exposure
Expiration Date	12 months upon receiving

**Chemical Properties**

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Appearance	Solid
Molecular Weight	426.19
Soluble In	DMSO

**Applications**

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Bodi Fluor™ 576/589 is chemically the same molecule to BODIPY™ 576/589 dye. It is a bright red fluorescent dye with high cell-permeability. It has a high extinction coefficient and fluorescence quantum yield. Its fluorescence is relatively insensitive to solvent polarity and pH change. In contrast to the highly water-soluble fluorophores such as iFluor™ and Alexa Fluor® 488 dyes, Bodi Fluor dyes have unique hydrophobic properties ideal for staining lipids, membranes, and other lipophilic compounds. Bodi Fluor 576/589 dye has a relatively long excited-state lifetime (typically 5 nanoseconds or longer), which is useful for fluorescence polarization-based assays and a large two-photon cross-section for multiphoton excitation. Bodi Fluor™ 576/589 NHS Ester can be readily used for labeling any amino-containing biomolecules such as proteins, peptides and amino-modified oligos.