
Product Information Sheet

Ordering Information

Product Number: 1079

Product Name: iFluor™ 750 amine

Unit Size: 1 mg

Storage Conditions: Freeze (<-15 °C), Minimize light exposure

Expiration Date: 12 months upon receiving

Chemical and Spectral Properties

Appearance: Solid

Molecular Weight: 1047.07

Soluble In: DMSO

Excitation Wavelength: 749

Emission Wavelength: 775

Application Notes

AAT Bioquest's iFluor™ dyes are developed for labeling proteins, in particular, antibodies. These dyes are optimized to have minimal fluorescence quenching effect on proteins and nucleic acids. Our iFluor™ 750 dyes have fluorescence excitation and emission maxima close to 750 nm and 780 nm respectively with good photostability. Our in-house comparable studies indicated that our iFluor™ 750 dyes are significantly brighter than the corresponding Cy7® and Alexa Fluor® 750. These spectral characteristics make them a superior alternative to Cy7® and Alexa Fluor® 750 (Cy7® and Alexa Fluor® are the trademarks of GE Healthcare and Invitrogen respectively). iFluor™ 750 conjugates have been widely used in fluorescence animal imaging applications. The iFluor™ 750 amine is stable and used for modifying carbonyl groups (e.g., aldehyde and carboxy groups).