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## Product Information Sheet

### Ordering Information

Product Number: 1076  
Product Name: iFluor™ 680 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: 1029.03  
Soluble In: DMSO  
Excitation Wavelength: 676  
Emission Wavelength: 695

### Application Notes

AAT Bioquest's iFluor™ dyes are optimized for labeling proteins, in particular, antibodies. These dyes are bright, photostable and have minimal quenching on proteins. They can be well excited by the major laser lines of fluorescence instruments (e.g., 350, 405, 488, 555 and 633 nm). iFluor™ 680 dyes have fluorescence excitation and emission maxima of ~680 nm and ~700 nm respectively. These spectral characteristics make them an excellent alternative to Cy5.5® and Alexa Fluor® 680 labeling dyes (Cy5.5® and Alexa Fluor® are the trademark of Invitrogen and GE Health Care). iFluor™ 680 amine is stable and used for modifying carbonyl groups (e.g., aldehyde and carboxy groups).