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## Product Information Sheet

### **Ordering Information**

Product Number: 1078  
Product Name: iFluor™ 710 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: 1001.97  
Soluble In: DMSO  
Excitation Wavelength: 712  
Emission Wavelength: 736

### **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™ 710 dyes have fluorescence excitation and emission maxima of ~710 nm and ~730 nm respectively. These spectral characteristics make them an excellent alternative to Alexa Fluor® 710 labeling dye (Alexa Fluor® is the trademark of Invitrogen). iFluor™ 710 amine is stable and used for modifying carbonyl groups (e.g., aldehyde and carboxy groups).