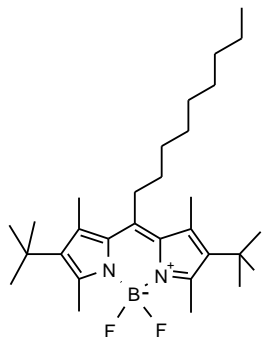


**PYRROMETHENE 597-8C9**

**Synonym:** 2,6-di-tert-butyl-8-nonyl-1,3,5,7-tetramethylpyrromethene- BF<sub>2</sub> Complex  
**Catalog No.:** 05971  
**Chemical Formula:** C<sub>30</sub>H<sub>49</sub>N<sub>2</sub>BF<sub>2</sub>  
**Appearance:** Red-orange solid  
**CAS Registry Number:** N/A  
**MW:** 486.54  
**Melting Point:** 247°C



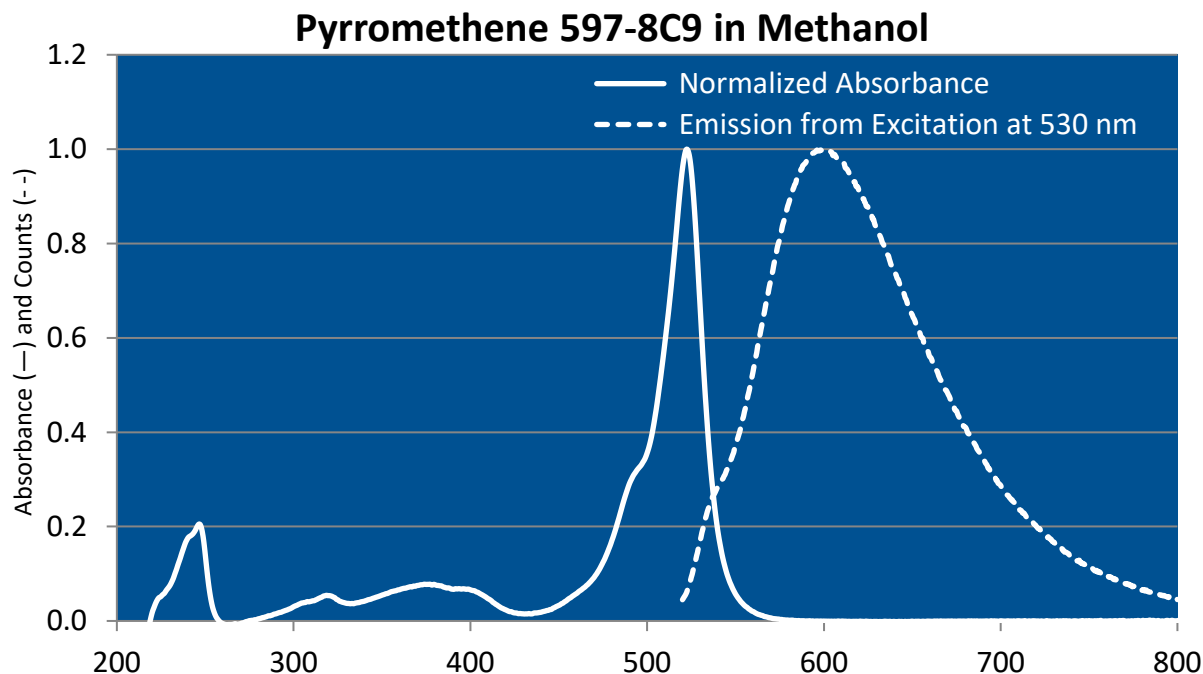
**Suggested Use:** lithography, fl hydrocarbon probe or taggant, electro-luminescence, DVD (digital video data)

**Solubility Limits (g/l) (room temperature):**

Ethanol	3.7	EPH	very soluble
Heptane	≥10.3	PPH	very soluble
Ethyl Acetate	very soluble	Toluene	very soluble
Acetonitrile	very soluble	THF	very soluble
p-Dioxane	very soluble	Dow Corning 200 Silicone Oil	0.47

**Spectral Information:**

$\lambda_{max,abs}$  = 524nm (ethanol), 525nm (methylene chloride), 527.8nm (diesel fuel)  
 $\lambda_{max,fl}$  = 588nm (ethanol), 585nm (methylene chloride), 590nm (diesel fuel)  
 $\epsilon_{524}$  = 5.25x10<sup>4</sup> liter mol<sup>-1</sup> cm<sup>-1</sup>



The information presented above is believed to be accurate but is not a specification. The customer is fully responsible for determining the suitability of this product for use in their application. Exciton, Inc. does not represent that the information is sufficient or complete for any specific application.