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## PYRROMETHENE 597-8C9

**Synonym:** 2,6-di-tert-butyl-8-nonyl-1,3,5,7-tetramethylpyrromethene- BF<sub>2</sub> Complex

**Catalog No.:** 05971

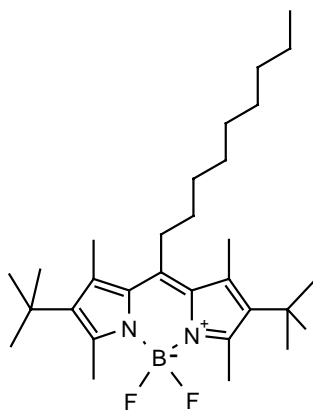
**Chemical Formula:** C<sub>30</sub>H<sub>49</sub>N<sub>2</sub>BF<sub>2</sub>

**Appearance:** Red-orange solid

**CAS Registry Number:** N/A

**MW:** 486.54

**Melting Point:** 247°C



**Suggested Use:** lithography, fl hydrocarbon probe or tagant, 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

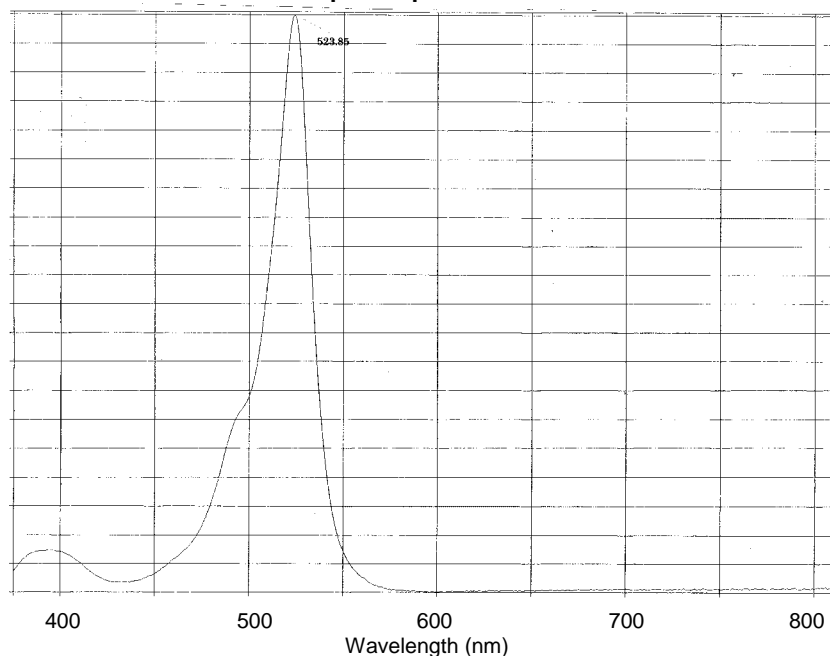
### Spectral Information:

$\lambda_{\text{max,abs}}$  = 524nm (ethanol), 525nm (methylene chloride), 527.8nm (diesel fuel)

$\lambda_{\text{max,fl}}$  = 588nm (ethanol), 585nm (methylene chloride), 590nm (diesel fuel)

$\epsilon_{524}$  =  $5.25 \times 10^4$  liter mol<sup>-1</sup> cm<sup>-1</sup>

Absorption Spectrum in Ethanol



Fluorescence Spectrum in Ethanol

