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PYRROMETHENE 597-8C9

Synonym: 2,6-di-tert-butyl-8-nonyl-1,3,5,7-tetramethylpyrromethene- BF₂ Complex

Catalog No.: 05971

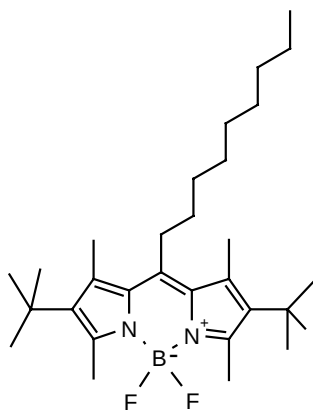
Chemical Formula: C₃₀H₄₉N₂BF₂

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

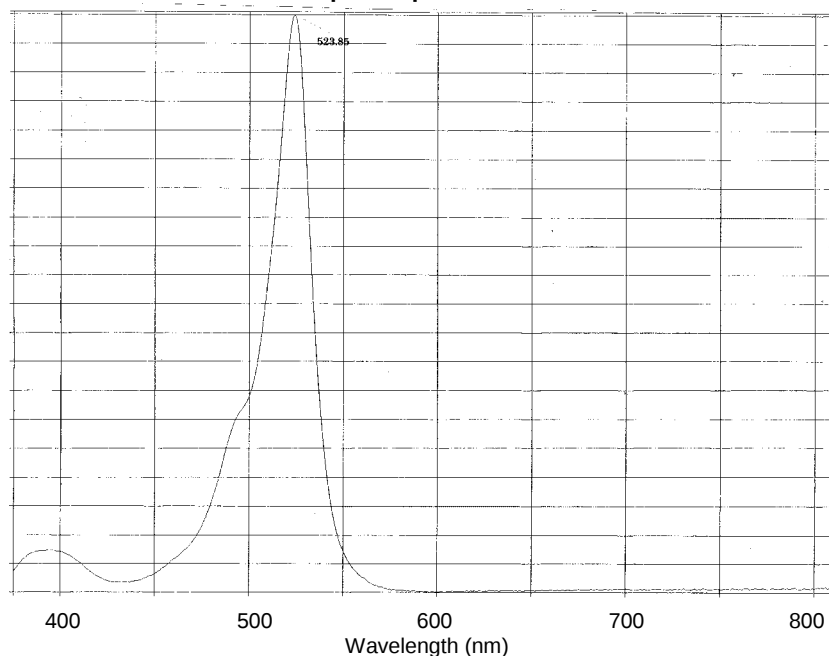
Spectral Information:

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

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

ϵ_{524} = 5.25×10^4 liter mol⁻¹ cm⁻¹

Absorption Spectrum in Ethanol



Fluorescence Spectrum in Ethanol

