



PO Box 31126
Dayton, OH 45437
Tel: 937.252.2989 Fax: 937.258.3937
E-mail: info@exciton.com
www.exciton.com

PYRROMETHENE 597-8C9

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

Catalog No.: 05971

Chemical Formula: C₃₀H₄₉N₂BF₂

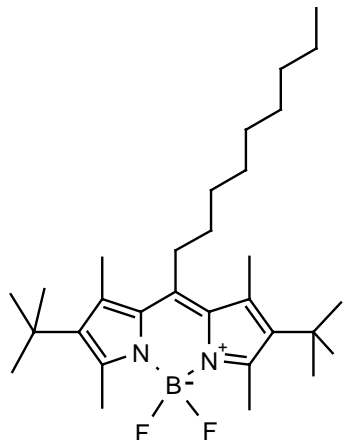
Appearance: Red-orange solid

Structure:

CAS Registry Number: N/A

MW: 486.54

Melting Point: 247°C



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

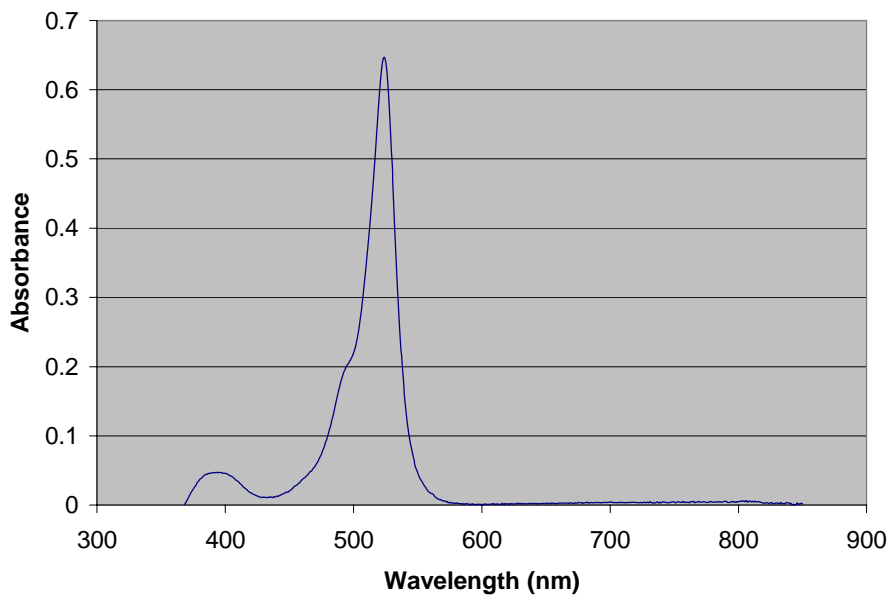
Ethanol	3.7	EPH	very soluble
Heptane	≥10.3	PPH	very soluble
Ethyl Acetate	very soluble	Toluene	very soluble
Acetonitrile	very soluble	THF	very soluble
p-Dioxane	very soluble		

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)

Absorption Spectrum in Ethanol



Fluorescence Spectrum in Ethanol

