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PYRROMETHENE 567A

Synonyms: 1,3,5,7-Tetramethyl-8-n-pentyl-2,6-diethylpyrromethene BF₂ complex

Catalog No.: 05678

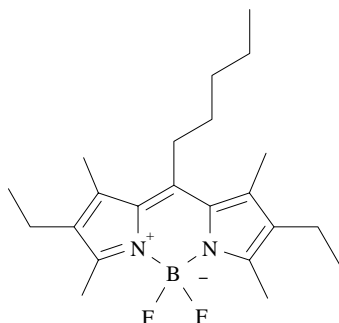
CAS No: N/A

MW: 374.32

Chemical Formula: C₂₂H₃₃N₂BF₂

Appearance: Bright orange crystalline solid

Structure:



Spectral Information:

$\lambda_{\text{max.abs}}$ 519nm (ethanol), 522.5nm (gasoline), 521.64nm (Dow Corning 200 silicon oil), 520.5nm (PMMA),
518.85nm (ethyl acetate)

$\lambda_{\text{max.fl}}$ 536nm (ethanol), 543nm (gasoline), 554nm (PMMA)

ϵ_{519} 8.4x10⁴ liter/mole cm

Φ_f not reported

Selected Solubility Limits (25°C):

Acetone	43 grams/liter	2-Ethoxyethyl Acetate	48 grams/liter
Acetonitrile	15 grams/liter	Ethyl Acetate	>133 grams/liter
p-Dioxane	>23 grams/liter	Gasoline	4.8 grams/liter
Dow Corning 200 Silicone Oil	0.85 grams/liter	Heptane	7.87 grams/liter
Ethanol	3.4 grams/liter	Methanol	3.7 grams/liter