Synthesis and Electronic Spectra of (N-1-Naphthyl-ethylenediamine)-dichloroplatinum(II). Fluorescence of the Appended Naphthyl Substituent

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Pt(naph-en)Cl₂ with naph-en = N-(1-naphthyl)-ethylenediamine was synthesized and spectroscopically characterized. The complex shows a fluorescence at \( \lambda_{\text{max}} = 405 \text{ nm} \), which originates from the appended naphthyl substituent present as an electronically isolated chromophore.