

Pyrene bisiminopyridine ligand and its zinc complex

Submitted by Abdelkrim El-Gh... on Mon, 01/08/2018 - 16:44

Titre	Pyrene bisiminopyridine ligand and its zinc complex
Type de publication	Article de revue
Auteur	Ayadi, Awatef [1], Branzea, Diana-G. [2], Dincalp, Haluk [3], Zouari, Nabil [4], El-Ghayoury, Abdelkrim [5]
Editeur	Taylor & Francis
Type	Article scientifique dans une revue à comité de lecture
Année	2016
Langue	Anglais
Date	2016
Numéro	1
Pagination	188-197
Volume	628
Titre de la revue	Molecular Crystals and Liquid Crystals
ISSN	1542-1406
Mots-clés	fluorescence [6], Iminopyridine [7], Pyrene [8], UV-Visible spectroscopy [9], X-ray diffraction [10]
Résumé en anglais	<p>The synthesis of a pyrene bisiminopyridine ligand L was successfully accomplished by condensation between 1-aminopyrene and 2,6-pyridinecarboxaldehyde. The complexation of L with zinc triflate afforded a neutral metal complex formulated as $[Zn(H_2O)LCF_3SO_3]_2 \cdot 2Et_2O$. In the complex, the ligand is coordinated to zinc(II) through its three nitrogen atoms which form a distorted octahedral environment together with three oxygen atoms, two from the triflate anions and one from aqua ligand. Both compounds have been characterized using NMR, elemental analysis, mass spectrometry, electronic absorption (UV-Vis) and infrared. Luminescence properties of these compounds show an emission maxima at 412 nm, indicating a pyrene monomer emission.</p>
URL de la notice	http://okina.univ-angers.fr/publications/ua16592 [11]
DOI	10.1080/15421406.2015.1137386 [12]
Lien vers le document	http://www.tandfonline.com/doi/abs/10.1080/15421406.2015.1137386?journal... [13]

Liens

- [1] <http://okina.univ-angers.fr/aayadi/publications>
- [2] <http://okina.univ-angers.fr/publications?f%5Bauthor%5D=2638>
- [3] <http://okina.univ-angers.fr/publications?f%5Bauthor%5D=19037>
- [4] <http://okina.univ-angers.fr/publications?f%5Bauthor%5D=26452>
- [5] <http://okina.univ-angers.fr/a.elghayoury/publications>
- [6] <http://okina.univ-angers.fr/publications?f%5Bkeyword%5D=3583>

- [7] <http://okina.univ-angers.fr/publications?f%5Bkeyword%5D=20187>
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- [12] <http://dx.doi.org/10.1080/15421406.2015.1137386>
- [13] <http://www.tandfonline.com/doi/abs/10.1080/15421406.2015.1137386?journalCode=gmcl20>

Publié sur *Okina* (<http://okina.univ-angers.fr>)