



Triazolobithiophene Light Absorbing Self-Assembled Monolayers: Synthesis and Mass Spectrometry Applications

Submitted by Emmanuel Lemoine on Wed, 12/04/2013 - 16:28

Titre	Triazolobithiophene Light Absorbing Self-Assembled Monolayers: Synthesis and Mass Spectrometry Applications
Type de publication	Article de revue
Auteur	Tsague Kenfack, Ghislain [1], Schinkovitz, Andreas [2], Babu, Suresh [3], Elouarzaki, Kamal [4], Dias, Marylène [5], Derbré, Séverine [6], Helesbeux, Jean-Jacques [7], Levillain, Eric [8], Richomme, Pascal [9], Seraphin, Denis [10]
Pays	Suisse
Editeur	Molecular Diversity Preservation International
Ville	Basel
Type	Article scientifique dans une revue à comité de lecture
Année	2011
Langue	Anglais
Date	2011/10/19
Numéro	12
Pagination	8758 - 8774
Volume	16
Titre de la revue	Molecules
ISSN	1420-3049
Mots-clés	DIAMS [11], light [12]
Résumé en anglais	The synthesis of five light absorbing triazolobithiophenic thiols, which were utilized for producing self-assembled monolayers (SAMs) on gold surfaces, is presented. The monolayer formation was monitored by cyclic voltammetry, indicating excellent surface coverage. The new triazolobithiophenic compounds exhibited an absorption maximum around 340 nm, which is close to the emission wavelength of a standard nitrogen laser. Consequently these compounds could be used to aid ionization in laser desorption mass spectrometry (MS).
URL de la notice	http://okina.univ-angers.fr/publications/ua61 [13]
DOI	10.3390/molecules16108758 [14]
Lien vers le document	http://dx.doi.org/10.3390/molecules16108758 [14]
Titre abrégé	Triazolobithiophene Light Absorbing Self-Assembled Monolayers

Liens

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- [14] <http://dx.doi.org/10.3390/molecules16108758>

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