Dual Signaling System with an Extended-Tetrathiafulvalene–Phenanthroline Dyad Acting as an Electrooptical Cation Chemosensor

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Résumé en anglais	A tetrathiafulvalene donor has been annulated to 2,3-di(1*H*-2-pyrrolyl)quinoxaline affording a new chemosensor **1**, which shows a unique optical selectivity and reactivity for the fluoride ion over other anions in CH_2Cl_2 leading to a colorimetric response. Electrochemical polymerization of **1** occurred in the presence of fluoride.
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Liens

[1] http://okina.univ-angers.fr/publications?f[author]=3075
[2] http://okina.univ-angers.fr/publications?f[author]=3652
[3] http://okina.univ-angers.fr/magali.allain/publications
[4] http://okina.univ-angers.fr/pietrick.hudhomme/publications
[5] http://okina.univ-angers.fr/publications/ua2804
[6] http://dx.doi.org/10.1021/jo300101c