



# Complexes of thiophene-2,3-dicarboxaldehyde bis(oxime) (2,3BTCOH<sub>2</sub>) with nickel(II) and copper(II): Synthesis, characterization, crystal structure of 2,3BTCOH<sub>2</sub>. Rearrangement reaction with nickel(II) bromide

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| Titre                 | Complexes of thiophene-2,3-dicarboxaldehyde bis(oxime) (2,3BTCOH <sub>2</sub> ) with nickel(II) and copper(II): Synthesis, characterization, crystal structure of 2,3BTCOH <sub>2</sub> . Rearrangement reaction with nickel(II) bromide  |
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| Résumé en anglais     | Reacting with nickel(II) chloride, copper(II) chloride and bromide, thiophene-2,3-dicarboxaldehyde bis(oxime) (2,3BTCOH <sub>2</sub> ) leads to metal complexes formulated as [NiCl <sub>2</sub> (2,3BTCOH <sub>2</sub> )], [CuCl <sub>2</sub> (2,3BTCOH <sub>2</sub> )] and [CuBr(2,3BTCOH) <sub>2</sub> ] respectively. In the case of nickel(II) bromide, we have observed the rearrangement of 2,3BTCOH <sub>2</sub> into 2-acetamido-3-thiophene carboxaldoxime (ACTOH) instead of the expected complex. The crystal structures of 2,3BTCOH <sub>2</sub> and ACTOH have been determined by X-ray diffraction methods and all other structures are proposed using usual spectroscopic techniques. |
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## Liens

[1] [http://okina.univ-angers.fr/publications?f\[author\]=92](http://okina.univ-angers.fr/publications?f[author]=92)

- [2] [http://okina.univ-angers.fr/publications?f\[author\]=93](http://okina.univ-angers.fr/publications?f[author]=93)
- [3] <http://okina.univ-angers.fr/magali.allain/publications>
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- [5] [http://okina.univ-angers.fr/publications?f\[author\]=83](http://okina.univ-angers.fr/publications?f[author]=83)
- [6] [http://okina.univ-angers.fr/publications?f\[keyword\]=28](http://okina.univ-angers.fr/publications?f[keyword]=28)
- [7] [http://okina.univ-angers.fr/publications?f\[keyword\]=207](http://okina.univ-angers.fr/publications?f[keyword]=207)
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