

Nematicidal Activities of Acetylene Compounds from *Coreopsis lanceolata* L.

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Z. Naturforsch. **63c**, 843–847 (2008); received June 17, 2008

1-Phenylhepta-1,3,5-triyne (**1**), 5-phenyl-2-(1'-propynyl)-thiophene (**2**), and 2-(3'-acetoxy-1'-propynyl)-5-phenylthiophene (**3**) were isolated from *Coreopsis lanceolata* L., and their structures identified by spectroscopic methods. Compounds **1** and **2** showed effective nematocidal activities against *Bursaphelenchus xylophilus* and *Caenorhabditis elegans*, but had hardly any effect against *Pratylenchus penetrans*. Compound **3** did not show any effective nematocidal activity.

Key words: *Coreopsis lanceolata* L., Acetylene, Nematicide