

## Publication

### A hydrogen-bonded dimer of 13-hydroxy-13-[(triisopropylsilyl)-ethynyl]pentacen-6(13H)-one

#### Journal Article (Originalarbeit in einer wissenschaftlichen Zeitschrift)

**ID** 43313

**Author(s)** Boudebous, A.; Constable, E. C.; Housecroft, C. E.; Neuburger, M.; Schaffner, S.

**Author(s) at UniBasel** [Constable, Edwin Charles](#) ;

**Year** 2006

**Title** A hydrogen-bonded dimer of 13-hydroxy-13-[(triisopropylsilyl)-ethynyl]pentacen-6(13H)-one

**Journal** Acta crystallographica. Section C, Crystal structure communications

**Volume** 62

**Number** 5

**Pages / Article-Number** O243-O245

The title compound, C<sub>33</sub>H<sub>34</sub>O<sub>2</sub>Si, has been obtained as a product in the synthesis of 6,13-bis-[(triisopropylsilyl)ethynyl]-6,13-dihydro-penta-cene-6,13-di ol. The solid-state structure reveals a dimer, with strong hydrogen bonds holding the two molecules in a face-to-face arrangement [O center dot center dot center dot O = 2.746 (2) angstrom and O-H center dot center dot center dot O = 173 (2)degrees]. Within each dimer, the penta-cene units are pi-stacked (the distance between the mean least-squares planes of 22 C atoms is 3.60 angstrom).

**Publisher** Munksgaard

**ISSN/ISBN** 0108-2701

**edoc-URL** <http://edoc.unibas.ch/39176/>

**Full Text on edoc** No;

**Digital Object Identifier DOI** 10.1107/S0108270106008262

**ISI-Number** 000237304200024