

A Polymorph of the 6,13-Dichloropentacene Organic semiconductor: Crystal Structure, Semiconductor Measurements and Band Structure Calculations

Peggy V. Hatcher,^a Joseph H. Reibenspies,^b Robert C. Haddon,^c Dawen Li,^d Neoro Lopez,^a Xiaoliu Chi^{a*}

^aDepartment of Chemistry, Texas A&M University – Kingsville, Kingsville, TX 78363

^bDepartment of Chemistry, Texas A&M University, College Station, TX 77842-3012

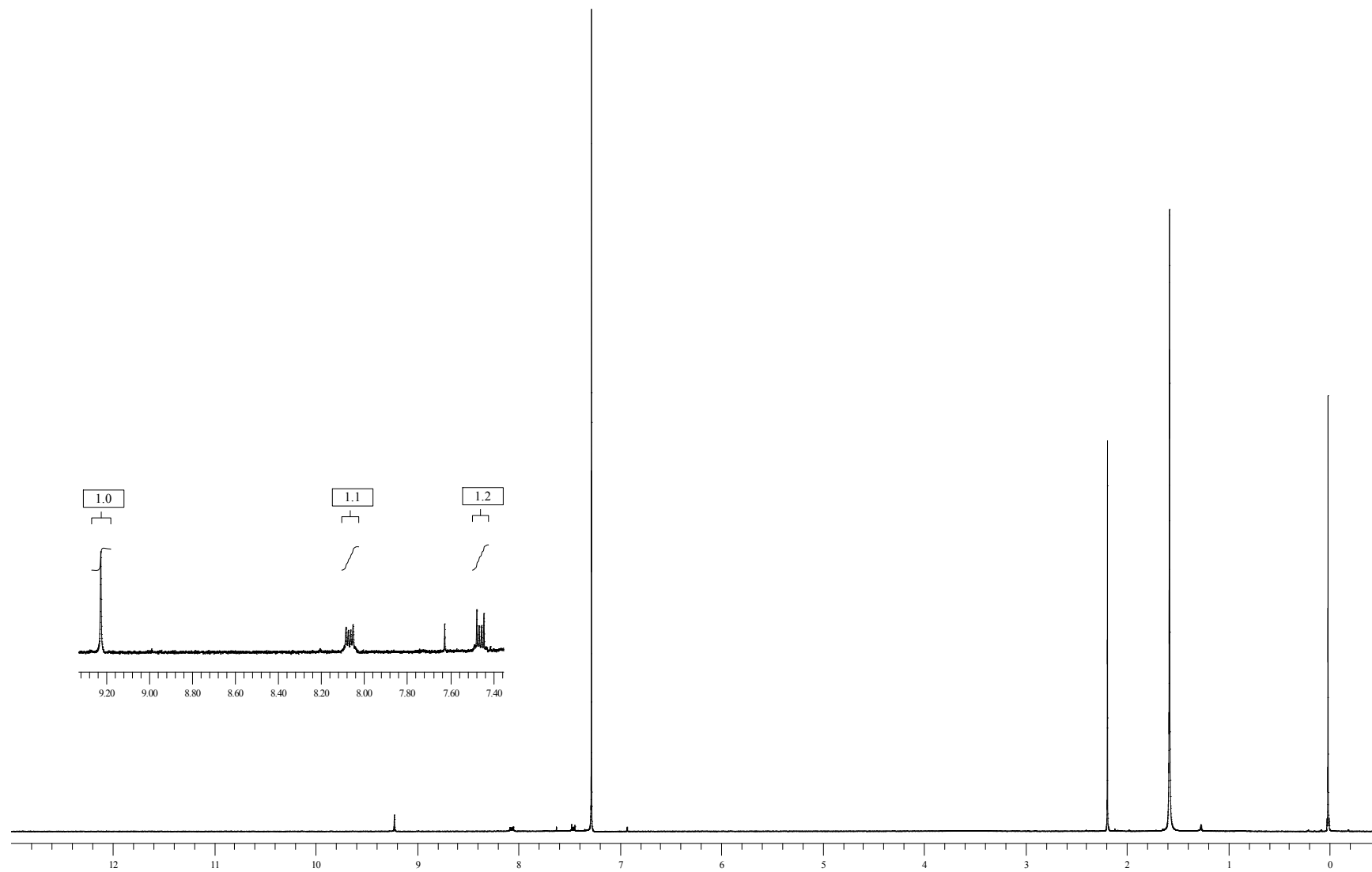
^cDepartments of Chemistry and Chemical & Environmental Engineering,
University of California, Riverside, CA 92521

^dDepartment of Electrical and Computer Engineering & Center for Materials for Information Technology, The University of Alabama
Tuscaloosa, AL 35487

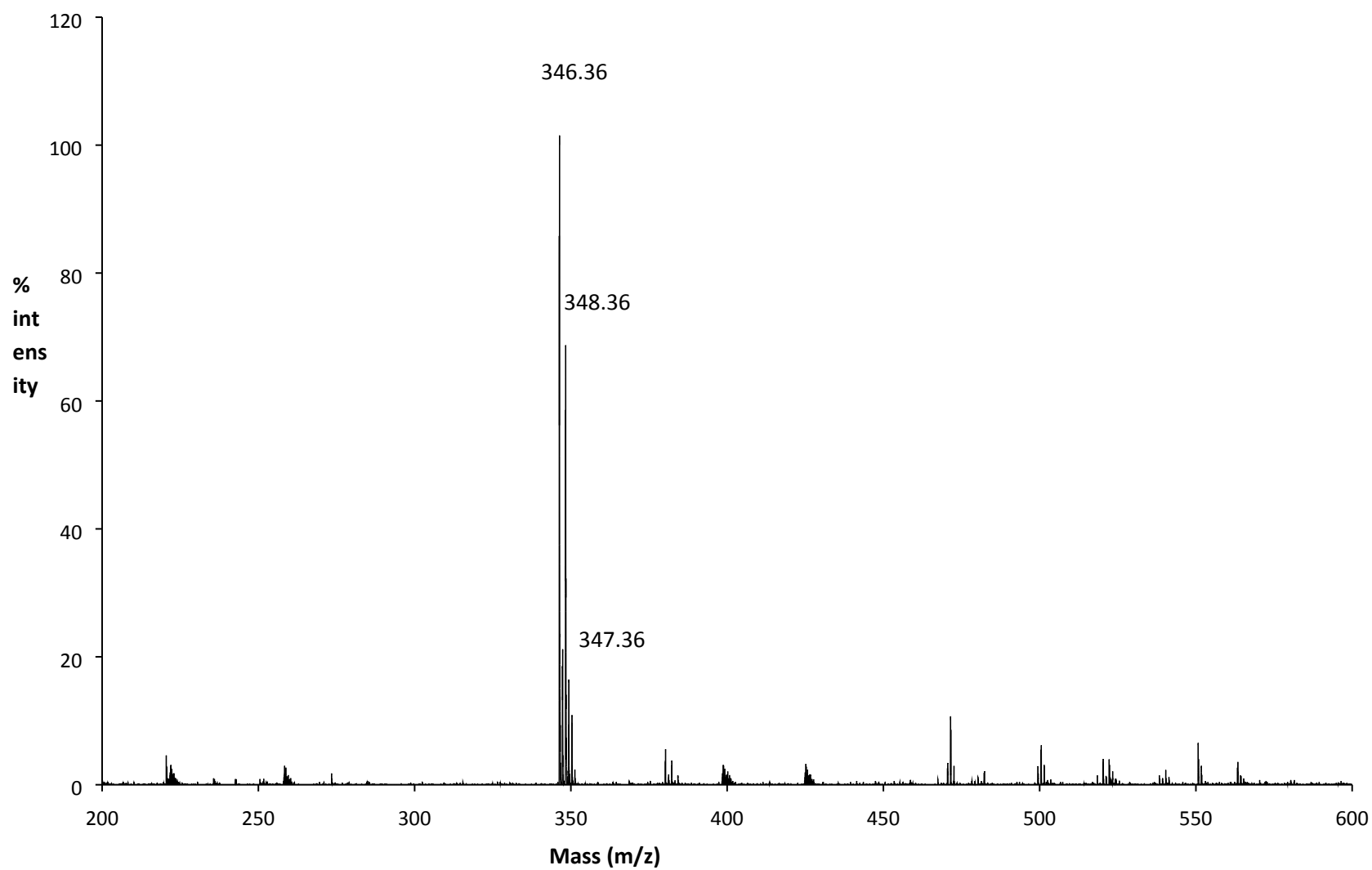
Supplementary Information

All materials and solvents were obtained from Aldrich Chemical Co. (Milwaukee, WI) and were used without further purification unless otherwise noted. ¹H NMR was recorded on a Bruker Avance 300 Spectrometer (300-MHz) and the solvent was CDCl₃. Mass Spectrum was obtained using Voyager STR matrix-assisted laser desorption time-of-flight mass spectrometer (MALDI-TOFMS) with DCTB as the matrix.

^1H NMR



Mass Spectrum



X-Ray Powder Diffraction of VPT DCP

