

SUPPORTING INFORMATION

**Synthesis, Characterization, and Electrochemical Properties of New Highly
Processable, Hole-Transporting Fluorocyclic Aryl Amine Polymers**

N. P. Godman, D. B. Barbee, F. B. Carty, C. D. McMillen,[‡]
C. A. Corley, E. Shurdha, and S. T. Iacono*

*Department of Chemistry and Chemistry Research Center,
United States Air Force Academy, Colorado Springs, Colorado 80840 (USA)*

[‡]Department of Chemistry, Clemson University, Clemson, SC 29634 (USA)

*Correspondence E-mail: scott.iacono@usafa.edu

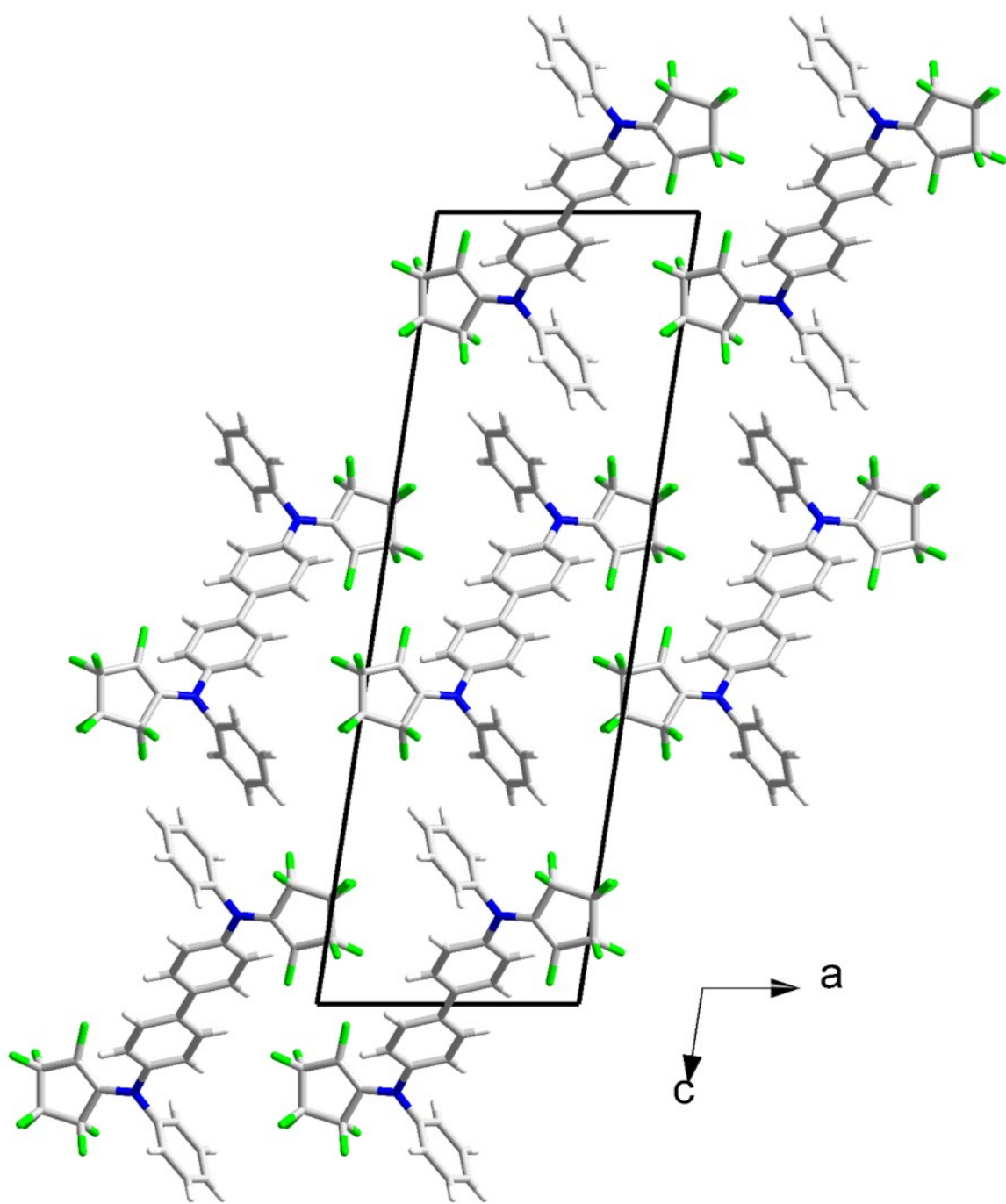


Fig. S1 Packing arrangement of the monomer 2 viewed along [010].

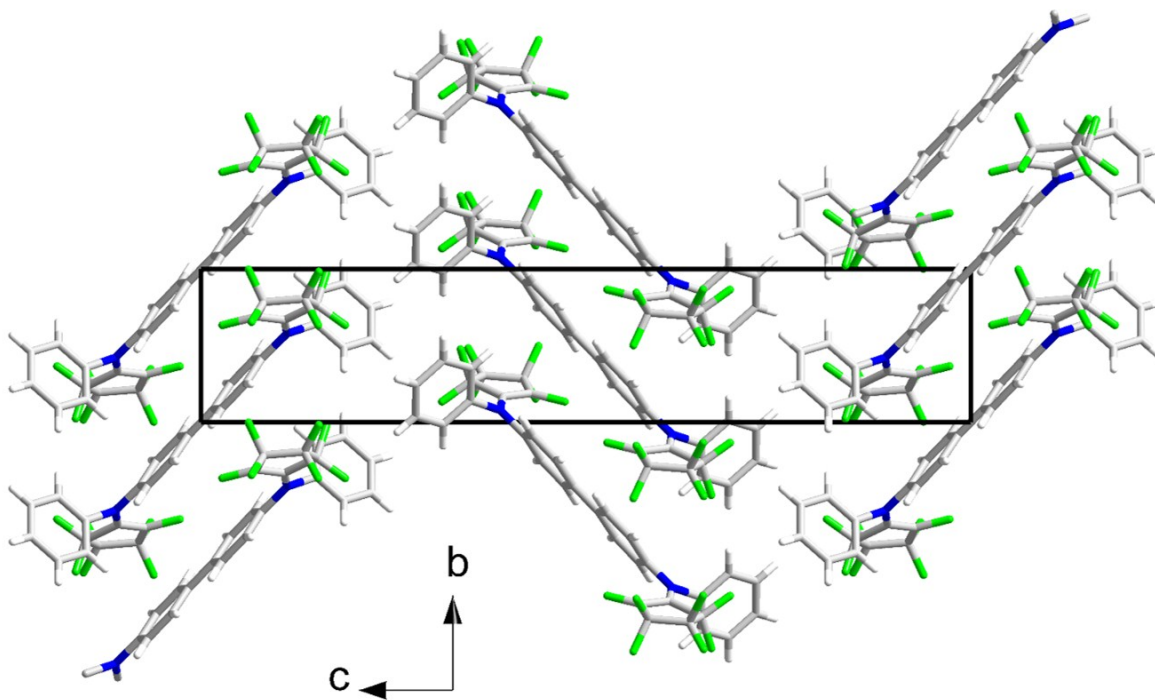


Fig. S2 Packing arrangement of monomer **2** viewed along [100].

Table S1. Crystallographic data for monomer **2**.

empirical formula	C ₃₄ H ₁₈ F ₁₄ N ₂
CCDC deposition no.	1479096
FW	720.50
crystal system	monoclinic
crystal dimension, mm	0.07 x 0.18 x 0.61
space group, <i>Z</i>	<i>P</i> 2 ₁ / <i>c</i> (no. 14), 2
<i>T</i> , K	293
<i>a</i> , Å	9.539(5)
<i>b</i> , Å	5.738(3)
<i>c</i> , Å	29.193(15)
<i>β</i> , °	98.613(17)
<i>V</i> , Å ³	1580.0(14)
<i>d</i> _{calc} , g cm ⁻³	1.514
<i>μ</i> (Mo Kα), mm ⁻¹	0.147
<i>T</i> _{min}	0.8732
<i>T</i> _{max}	1.0000
2θ range	2.75-25.14
Reflections collected	12052
Unique reflections	2817
Observed reflections (<i>I</i> > 2σ(<i>I</i>))	2089
No. of Restraints	0
No. of Parameters	236
final R [<i>I</i> > 2σ(<i>I</i>)] R1, wR2	0.0657/0.1289
final R (all data) R1, wR2	0.0868/0.1456
GoF	1.081
largest diff. peak/hole, e/ Å ³	0.209/-0.293
Extinction coefficient	0.014(2)