

Supporting Information

for

Synthesis and Structure of $[\{\text{PhC}(\text{N}t\text{Bu})_2\}_2\text{Ge}_2(\mu\text{-S})_2\text{Cl}_2]$
and a Germaniumdithiocarboxylate Analogue

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Table 1. Crystallographic and Structure Refinement Data

Parameter	2·2THF	3
identification code	778791	778534
Empirical formula	C ₃₈ H ₆₂ Cl ₂ Ge ₂ N ₄ O ₂ S ₂	C ₃₈ H ₆₂ Ge ₂ K ₂ N ₄ O ₂ S ₄ ,
Fw	887.12	958.54,
T(K)	100(2)	100(2)
Crystal system	monoclinic	monoclinic
Space group	<i>P</i> 2 ₁ / <i>n</i>	<i>P</i> 2 ₁ / <i>c</i>
<i>a</i> (Å)	8.8939(7)	17.3432(12)
<i>b</i> (Å)	16.7399(14)	8.8382(6)
<i>c</i> (Å)	14.4141(12)	16.5578(12)
β (deg)	96.3220(10)	114.3330(10)
<i>V</i> (Å ³)	2133.0(3)	2312.6(3)
<i>Z</i>	2	2
ρ_{calcd} (Mg/m ³)	1.381	1.377
<i>F</i> (000)	928	1000
crystal size (mm ³)	0.2 x 0.19 x 0.11	0.15 x 0.15 x 0.15
μ (Mo K α)	1.669	1.696
θ range for data collcn (deg)	2.43 to 26.04	2.47 to 27.48
reflections collected / unique observed reflections[<i>I</i> > 2 σ (<i>I</i>)]	43618 / 4198	58293 / 5315
data / restraints / parameters	4198 / 116 / 260	5315 / 70 / 328
Gof on <i>F</i> ²	1.046	1.057
<i>R</i> 1 [<i>I</i> > 2 σ (<i>I</i>)]	0.0177	0.0294
<i>wR</i> 2 (all data)	0.0473	0.0693
Largest diff peak / hole (e/Å ³)	0.307 / -0.192	0.363 / -0.470