#### **Supporting Information**

#### Tribenzopentaphene Derivatives with Lateral Aromatic Groups: Effect of Substituents' Nature and Position on Emission Properties

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III. X-ray Crystallographic Data of compound 6

Synthesis of **1,4-bis(4-(5'-hexyl-2,2'-bithiophen-5-yl)phenyl)triphenylene, 5a**: A Schlenck tube was charged with 1,4-bis(4-bromophenyl)triphenylene, **4a** (200 mg, 0.37 mmol), 5'-Hexyl-2,2'-bithiophene-5-boronicacid pinacolester (559 mg, 5.59 mmol.), Tris(dibenzylideneacetone)dipalladium (37 mg, 3.3 x  $10^{-2}$  mmol), Sphos (30 mg, 7.4 x  $10^{-2}$  mmol), and K<sub>3</sub>PO<sub>4</sub> (315 mg, 1.48 mmol) in 15 mL of degassed 1:1 mixture of toluene and 1-butanol. The reaction was refluxed under argon for 4 days. The solvent was evaporated under vacuo and the resulting black mixture was extracted with dichloromethane (x3) from a saturated aqueous solution of NaHCO<sub>3</sub>. The combined organic layer was washed with H<sub>2</sub>O, concentrated, precipitated using hexane followed by Millipore filtration affording the desired product as a yellow solid (22 mg, 7 %).

**5a**: <sup>1</sup>H-NMR: (360 MHz, CDCl<sub>3</sub>):  $\delta_{TMS}$  8.46 (*d*, 2H, ArH), 7.82 (*d*, 2H, ArH), 7.64 (*d*, 4H, ArH), 7.55 (*s*, 2H, ArH), 7.48 (*d*, 6H, ArH), 7.27 (*d*, 2H, ArH), 7.16 (*t*, 2H, ArH), 7.12 (*d*, 2H, ArH), 7.03 (*d*, 2H, ArH), 6.71 (*d*, 2H, ArH); EI-MS = m/z (% int): 876.300 (M<sup>++</sup>, 100), (m/z calcd for C<sub>58</sub>H<sub>52</sub>S<sub>4</sub><sup>+</sup>: 876.295).

I. Experimental details MALDI of 9-11



Figure S1. HR-MALDI spectrum of 9a



Figure S2. HR-MALDI spectrum of 9b



Figure S3. HR-MALDI spectrum of 9c



Figure S4. HR-MALDI spectrum of 10a



Figure S5. HR-MALDI spectrum of 10b



Figure S6. HR-MALDI spectrum of 10c



Figure S7. HR-MALDI spectrum of 11a



Figure S8. HR-MALDI spectrum of 11b



Figure S9. HR-MALDI spectrum of 11c



Figure S10. <sup>1</sup>H-NMR spectrum of 9a





Figure S11. <sup>1</sup>H-NMR spectrum of 9b



Figure S12. <sup>1</sup>H-NMR spectrum of 9c





Figure S13. <sup>1</sup>H-NMR spectrum of 10a



Figure S14. <sup>1</sup>H-NMR spectrum of 10b



Figure S15. <sup>1</sup>H-NMR spectrum of 10c



Figure S16. <sup>1</sup>H-NMR spectrum of 11



Figure S17. <sup>1</sup>H-NMR spectrum of 11b



Figure S18. <sup>1</sup>H-NMR spectrum of 11c



**Figure S19**. Normalized absorption and emission spectra for the pentaphene derivatives **6-8** in toluene. The solid lines represent absorption spectra and the dotted lines correspond to emission spectra.

#### **II.** Computational details

**Table S1**. Optimized structures and HOMO-LUMO frontier orbitals of **9-11** at the level of the B3LYP/6-31 G\* basis set TBP derivatives (with R = H or Me instead of the alkyl groups for simplicity). The dihedral angle was measured between the TBP core and the lateral groups.

No	Optimized structure	НОМО	LUMO	Dihedral Angle
4a	**********			-
4c				-
9a		300000		38.65°
11a	Jene			34.98°



#### **III. X-ray Crystallographic Data**

Crystal data for **6**: CCDC: 1486177,  $C_{30}H_{18}Br_2$ , triclinic space group *P-1*, a = 6.9338(4) Å, b = 13.1529(7) Å, c = 13.7120(10) Å, a = 64.451(5)°,  $\beta$  = 83.600(6)°,  $\gamma$  = 79.575(6)°, V = 1108.84(12) Å<sup>3</sup>, Z = 2,  $\rho_{calcd}$  = 1.612 mg·m<sup>-3</sup>,  $\mu$  = 3.672 mm<sup>-1</sup>, F(000) = 536, R<sub>1</sub> = 0.0345, wR<sub>2</sub> = 0.102, 4158 independent reflections [20≤53°] and 290 parameters, goodness-of-fit 0.946.



**Figure S20**. Crystallographically derived X-ray structure representations of **6**. Selected bond lengths (Å) and bond angles (°): Br2-C28 1.902(2), Br1-C22 1.900(3), C21-C22 1.375(4); C27-C28-Br2 119.95(18), C29-C28-Br2 118.95(19), C23-C22-Br1 119.5(2).

#### Table 1. Sample and crystal data for 6.

Identification code	Fakhriea_AA132_130915_RK
Chemical formula	$C_{30}H_{18}Br_2$
Formula weight	538.26
Temperature	298(2) K
Wavelength	0.71073 Å
Crystal size	0.150 x 0.200 x 0.200 mm
Crystal habit	yellow Block
Crystal system	triclinic

Space group	P -1	
Unit cell dimensions	a = 6.9338(4) Å	$\alpha = 64.451(5)^{\circ}$
	b = 13.1529(7) Å	$\beta = 83.600(6)^{\circ}$
	c = 13.7120(10)  Å	$\gamma = 79.575(6)^{\circ}$
Volume	1108.84(12) Å <sup>3</sup>	
Z	2	
Density (calculated)	1.612 g/cm <sup>3</sup>	
Absorption coefficient	3.672 mm <sup>-1</sup>	
<b>F(000)</b>	536	

# Table 2. Data collection and structurerefinement for 6.

Theta range for data collection	3.01 to 26.36°
Index ranges	-8<=h<=8, -16<=k<=16, -16<=l<=17
Reflections collected	9899
Independent reflections	4518 [R(int) = 0.0359]
Max. and min. transmission	0.6089 and 0.5271
Structure solution technique	direct methods
Structure solution program	SHELXS-97 (Sheldrick, 2008)
Refinement method	Full-matrix least-squares on F <sup>2</sup>
Refinement program	SHELXL-97 (Sheldrick, 2008)
Function minimized	$\Sigma w(F_o^2 - F_c^2)^2$
Data / restraints / parameters	4518 / 0 / 290
Goodness-of-fit on F <sup>2</sup>	0.946

Δ/σ <sub>max</sub>	0.002	
Final R indices	3519 data; I>2σ(I) R1 = 0.0345, wR2 = 0.0933	
	all data	R1 = 0.0475, wR2 = 0.1024
Weighting scheme	w=1/[ $\sigma^2(F_o^2)$ +(0.0611P) <sup>2</sup> +0.1344P] where P=( $F_o^2$ +2 $F_c^2$ )/3	
Extinction coefficient	0.0066(12)	
Largest diff. peak and hole	0.421 and -0.456	eÅ⁻³
R.M.S. deviation from mean	0.068 eÅ <sup>-3</sup>	

## Table 3. Atomic coordinates and equivalent isotropic atomic displacement parameters $(Å^2)$ for 6.

U(eq) is defined as one third of the trace of the orthogonalized  $U_{ij}$  tensor.

	x/a	y/b	z/c	U(eq)
Br2	0.22689(4)	0.94589(2)	0.59906(2)	0.05692(13)
Br1	0.37923(5)	0.35747(3)	0.10166(3)	0.07202(15)
C27	0.8426(4)	0.92450(19)	0.6961(2)	0.0462(6)
C26	0.6634(4)	0.96311(19)	0.7344(2)	0.0449(6)
C21	0.6039(4)	0.3266(2)	0.9275(2)	0.0537(7)
C29	0.9503(4)	0.1031(2)	0.6535(2)	0.0493(6)
C28	0.9834(4)	0.9950(2)	0.6557(2)	0.0421(6)
C25	0.6240(3)	0.07183(19)	0.7315(2)	0.0410(6)

	x/a	y/b	z/c	U(eq)
C12	0.3345(3)	0.22623(19)	0.7203(2)	0.0400(5)
C13	0.3510(3)	0.29274(19)	0.6025(2)	0.0389(5)
C18	0.2794(3)	0.41081(19)	0.5563(2)	0.0448(6)
C11	0.4367(3)	0.11392(19)	0.7753(2)	0.0423(6)
C10	0.3700(4)	0.0467(2)	0.8777(2)	0.0544(7)
C9	0.2085(4)	0.0865(2)	0.9270(2)	0.0569(7)
C8	0.1210(4)	0.1988(2)	0.8817(2)	0.0470(6)
C19	0.9412(4)	0.2353(2)	0.9357(2)	0.0474(6)
C20	0.7717(4)	0.2913(2)	0.8791(2)	0.0502(6)
C22	0.6051(4)	0.3045(2)	0.0350(2)	0.0485(6)
C30	0.7726(4)	0.1400(2)	0.6901(2)	0.0483(6)
C14	0.4108(4)	0.2395(2)	0.5319(2)	0.0449(6)
C15	0.4051(4)	0.2997(2)	0.4212(2)	0.0530(7)
C16	0.3422(4)	0.4160(3)	0.3763(2)	0.0607(8)
C17	0.2793(4)	0.4697(2)	0.4431(2)	0.0577(8)
C1	0.2039(3)	0.4657(2)	0.6277(2)	0.0470(6)
C2	0.1817(4)	0.5851(2)	0.5897(3)	0.0663(9)
C5	0.0982(4)	0.4544(3)	0.8056(3)	0.0575(7)
C6	0.1575(3)	0.3993(2)	0.7369(2)	0.0461(6)
C7	0.1985(3)	0.2733(2)	0.7798(2)	0.0418(6)
C23	0.7690(4)	0.2466(3)	0.0946(2)	0.0602(8)
C24	0.9354(4)	0.2121(3)	0.0444(2)	0.0604(8)
C4	0.0793(4)	0.5719(3)	0.7659(4)	0.0748(11)

	x/a	y/b	z/c	U(eq)
C3	0.1173(5)	0.6367(3)	0.6580(4)	0.0796(12)

# Table 4. Bond lengths (Å) for6.

Br2-C28	1.902(2)	Br1-C22	1.900(3)
C27-C28	1.373(4)	C27-C26	1.391(3)
C27-H27	0.93	C26-C25	1.390(3)
C26-H26	0.93	C21-C22	1.375(4)
C21-C20	1.381(4)	C21-H21	0.93
C29-C30	1.364(4)	C29-C28	1.386(3)
C29-H29	0.93	C25-C30	1.397(4)
C25-C11	1.485(3)	C12-C7	1.411(3)
C12-C11	1.426(3)	C12-C13	1.472(3)
C13-C14	1.409(4)	C13-C18	1.415(3)
C18-C17	1.405(4)	C18-C1	1.453(4)
C11-C10	1.378(4)	C10-C9	1.382(4)
C10-H10	0.93	C9-C8	1.380(4)
С9-Н9	0.93	C8-C7	1.429(4)
C8-C19	1.490(4)	C19-C20	1.387(4)
C19-C24	1.383(4)	C20-H20	0.93
C22-C23	1.377(4)	C30-H30	0.93
C14-C15	1.378(4)	C14-H14	0.93

C15-C16	1.384(4)	C15-H15	0.93
C16-C17	1.374(5)	C16-H16	0.93
C17-H17	0.93	C1-C6	1.405(4)
C1-C2	1.409(3)	C2-C3	1.372(5)
C2-H2	0.93	C5-C4	1.386(4)
C5-C6	1.406(4)	C5-H5	0.93
C6-C7	1.482(3)	C23-C24	1.383(4)
C23-H23	0.93	C24-H24	0.93
C4-C3	1.376(5)	C4-H4	0.93
C3-H3	0.93		

## Table 5. Bond angles (°) for 6.

C28-C27-C26	119.1(2)	C28-C27-H27	120.4
C26-C27-H27	120.4	C25-C26-C27	121.2(2)
C25-C26-H26	119.4	C27-C26-H26	119.4
C22-C21-C20	118.9(3)	C22-C21-H21	120.6
C20-C21-H21	120.6	C30-C29-C28	118.9(2)
С30-С29-Н29	120.6	C28-C29-H29	120.6
C27-C28-C29	121.1(2)	C27-C28-Br2	119.95(18)
C29-C28-Br2	118.95(19)	C26-C25-C30	117.4(2)
C26-C25-C11	122.4(2)	C30-C25-C11	120.1(2)
C7-C12-C11	118.8(2)	C7-C12-C13	117.7(2)
C11-C12-C13	123.3(2)	C14-C13-C18	117.9(2)

C14-C13-C12	121.6(2)	C18-C13-C12	119.9(2)
C17-C18-C13	118.6(3)	C17-C18-C1	122.6(2)
C13-C18-C1	118.8(2)	C10-C11-C12	118.5(2)
C10-C11-C25	118.9(2)	C12-C11-C25	122.3(2)
C9-C10-C11	121.3(2)	C9-C10-H10	119.4
C11-C10-H10	119.4	C8-C9-C10	121.5(3)
С8-С9-Н9	119.2	С10-С9-Н9	119.2
C9-C8-C7	118.2(2)	C9-C8-C19	119.1(2)
C7-C8-C19	122.6(2)	C20-C19-C24	117.6(2)
C20-C19-C8	120.9(2)	C24-C19-C8	121.4(2)
C21-C20-C19	121.9(3)	C21-C20-H20	119.1
C19-C20-H20	119.1	C21-C22-C23	121.0(2)
C21-C22-Br1	119.6(2)	C23-C22-Br1	119.5(2)
C29-C30-C25	122.3(2)	C29-C30-H30	118.9
C25-C30-H30	118.9	C15-C14-C13	121.8(2)
C15-C14-H14	119.1	C13-C14-H14	119.1
C14-C15-C16	120.1(3)	C14-C15-H15	120.0
C16-C15-H15	120.0	C17-C16-C15	119.4(3)
C17-C16-H16	120.3	C15-C16-H16	120.3
C16-C17-C18	122.2(3)	C16-C17-H17	118.9
C18-C17-H17	118.9	C6-C1-C2	119.2(3)
C6-C1-C18	119.9(2)	C2-C1-C18	120.9(3)
C3-C2-C1	120.9(3)	C3-C2-H2	119.5
С1-С2-Н2	119.5	C4-C5-C6	120.8(3)

C4-C5-H5	119.6	C6-C5-H5	119.6
C5-C6-C1	118.5(2)	C5-C6-C7	121.5(3)
C1-C6-C7	119.4(2)	C12-C7-C8	119.0(2)
C12-C7-C6	117.4(2)	C8-C7-C6	123.4(2)
C24-C23-C22	119.1(3)	C24-C23-H23	120.4
C22-C23-H23	120.4	C23-C24-C19	121.5(3)
C23-C24-H24	119.2	C19-C24-H24	119.2
C3-C4-C5	120.2(3)	C3-C4-H4	119.9
C5-C4-H4	119.9	C4-C3-C2	120.2(3)
C4-C3-H3	119.9	C2-C3-H3	119.9

## Table 6. Torsion angles (°) for 6.

C28-C27-C26-C25	0.7(4)	C26-C27-C28-C29	0.6(4)
C26-C27-C28-Br2	-178.2(2)	C30-C29-C28-C27	-1.4(4)
C30-C29-C28-Br2	177.4(2)	C27-C26-C25-C30	-1.0(4)
C27-C26-C25-C11	-177.8(2)	C7-C12-C13-C14	-152.3(2)
C11-C12-C13-C14	22.5(4)	C7-C12-C13-C18	18.4(3)
C11-C12-C13-C18	-166.7(2)	C14-C13-C18-C17	-2.6(3)
C12-C13-C18-C17	-173.7(2)	C14-C13-C18-C1	175.6(2)
C12-C13-C18-C1	4.6(3)	C7-C12-C11-C10	13.8(4)
C13-C12-C11-C10	-161.0(3)	C7-C12-C11-C25	-159.3(2)
C13-C12-C11-C25	25.9(4)	C26-C25-C11-C10	49.1(4)
C30-C25-C11-C10	-127.6(3)	C26-C25-C11-C12	-137.8(3)

C30-C25-C11-C12	45.5(4)	C12-C11-C10-C9	-0.3(4)
C25-C11-C10-C9	173.0(3)	C11-C10-C9-C8	-7.6(5)
C10-C9-C8-C7	1.8(5)	C10-C9-C8-C19	176.9(3)
C9-C8-C19-C20	-126.5(3)	C7-C8-C19-C20	48.4(4)
C9-C8-C19-C24	51.9(4)	C7-C8-C19-C24	-133.3(3)
C22-C21-C20-C19	-0.5(4)	C24-C19-C20-C21	2.1(4)
C8-C19-C20-C21	-179.6(3)	C20-C21-C22-C23	-1.1(4)
C20-C21-C22-Br1	177.5(2)	C28-C29-C30-C25	1.1(4)
C26-C25-C30-C29	0.1(4)	C11-C25-C30-C29	177.0(3)
C18-C13-C14-C15	1.5(4)	C12-C13-C14-C15	172.4(2)
C13-C14-C15-C16	1.0(4)	C14-C15-C16-C17	-2.3(4)
C15-C16-C17-C18	1.0(5)	C13-C18-C17-C16	1.5(4)
C1-C18-C17-C16	-176.8(3)	C17-C18-C1-C6	162.5(2)
C13-C18-C1-C6	-15.7(4)	C17-C18-C1-C2	-19.3(4)
C13-C18-C1-C2	162.4(2)	C6-C1-C2-C3	0.6(5)
C18-C1-C2-C3	-177.6(3)	C4-C5-C6-C1	2.2(4)
C4-C5-C6-C7	173.5(3)	C2-C1-C6-C5	-2.7(4)
C18-C1-C6-C5	175.5(2)	C2-C1-C6-C7	-174.2(2)
C18-C1-C6-C7	4.0(4)	C11-C12-C7-C8	-19.5(4)
C13-C12-C7-C8	155.6(2)	C11-C12-C7-C6	155.2(2)
C13-C12-C7-C6	-29.8(3)	C9-C8-C7-C12	11.7(4)
C19-C8-C7-C12	-163.2(3)	C9-C8-C7-C6	-162.6(3)
C19-C8-C7-C6	22.5(4)	C5-C6-C7-C12	-152.2(2)
C1-C6-C7-C12	19.0(3)	C5-C6-C7-C8	22.2(4)

C1-C6-C7-C8	-166.6(3)	C21-C22-C23-C24	1.1(5)
Br1-C22-C23-C24	-177.5(2)	C22-C23-C24-C19	0.5(5)
C20-C19-C24-C23	-2.1(5)	C8-C19-C24-C23	179.6(3)
C6-C5-C4-C3	0.5(5)	C5-C4-C3-C2	-2.6(5)
C1-C2-C3-C4	2.1(5)		

## Table 7. Anisotropic atomic displacementparameters ( $Å^2$ ) for 6.

The anisotropic atomic displacement factor exponent takes the form: -2 $\pi^2$ [  $h^2$   $a^{*2}$   $U_{11}$  + ... + 2 h k  $a^*$   $b^*$   $U_{12}$  ]

 $U_{11}$  $U_{22}$  $U_{33}$  $U_{23}$  $U_{13}$  $U_{12}$ Br0.04451(18)0.0611(2)0.0655(2)0.03237(15)0.00333(14)0.00306(13)Br0.0665(2)0.0684(2)0.0758(3)0.0320(11)0.03421(18)0.02905(18)0.00611(16)C20.0466(14)0.0320(11)0.0568(16)0.0174(11)0.0061(12)0.0009(11)C20.0412(13)0.0341(11)0.0543(15)0.0143(11)0.0024(11)0.0006(12)C20.0419(13)0.0457(13)0.0641(18)0.0258(12)0.0017(13)0.0089(11)C20.0381(12)0.0423(12)0.0430(14)0.0183(10)0.0071(11)0.0055(10)C20.0381(12)0.0465(14)0.0171(10)0.0071(11)0.0055(10)

U<sub>22</sub> U<sub>33</sub> U<sub>23</sub> **U**<sub>11</sub> U<sub>13</sub>  $U_{12}$ ) ) C12 0.0330(11)  $\begin{array}{c} 0.0383(12 \ 0.0501(15 \ 0.0203(10) \ -0.0010(10) \ -0.0043(10) \ 0.0043(10$ C13 0.0280(11)  $\begin{pmatrix} 0.0398(12 \ 0.0482(14 \ -0.0182(10) \ 0.0016(10) \ -0.0056(9) \end{pmatrix}$ C18 0.0322(11)  $\begin{pmatrix} 0.0379(12 \ 0.0579(16 \ 0.0155(11) \ 0.0041(11) \ -0.0052(10) \ 0.0155(11) \ 0.0041(11) \ -0.0055(11) \ 0.0041(11) \ -0.0055(11) \ 0.0055(11$ C11 0.0370(12) 0.0394(12 0.0499(15 ) -0.0198(11) -0.0024(11) -0.0013(10) C10 0.0503(15)  $\begin{pmatrix} 0.0431(13 \ 0.0547(17 \ -0.0111(12) \ -0.0035(13) \ 0.0059(12) \end{pmatrix}$ C9 0.0528(15)  $\begin{pmatrix} 0.0555(15 \ 0.0467(16 \ -0.0115(12) \ 0.0033(13) \ 0.0006(13) \end{pmatrix}$ C8 0.0405(13)  $\begin{pmatrix} 0.0553(15 \ 0.0455(15 \ 0.0237(12) - 0.0032(11) - 0.0002(11) \ 0.0002(11) \end{pmatrix}$ C19 0.0431(13)  $\frac{0.0548(14\ 0.0449(15\ -0.0232(12)\ 0.0018(11)\ -0.0052(11))}{0.0018(11)\ -0.0052(11)}$ C20 0.0441(14)  $\frac{0.0651(16\ 0.0432(14\ -0.0265(12)\ -0.0015(12)\ -0.0027(12))}{0.0015(12)\ -0.0027(12)}$ C22 0.0465(14)  $\frac{0.0460(13\ 0.0520(16\ 0.0229(12)\ 0.0135(12)\ -0.0080(11))}{0.0135(12)\ -0.0080(11)}$ C30 0.0419(13) 0.0405(12 0.0696(18 -0.0310(12) -0.0028(13) -0.0025(11) C14 0.0376(12)  $\begin{pmatrix} 0.0421(12 \ 0.0514(15 \ ) \ ) \end{pmatrix}$  -0.0185(11) 0.0011(11) -0.0019(10) C15 0.0453(14) 0.0616(16 0.0469(15 ) -0.0217(13) 0.0009(12) 0.0002(12) C16 0.0513(16) 0.0658(18 0.0463(16 ) -0.0098(14) 0.0023(13) -0.0016(14)

 $U_{11} \qquad U_{22} \qquad U_{33} \qquad U_{23} \qquad U_{13} \qquad U_{12}$ C17 0.0488(15) 0.0419(13 0.0609(18 ) 0.0049(13) 0.0024(14) -0.0009(12) C1 0.0309(11)  $\begin{pmatrix} 0.0388(12\ 0.0701(18\ )\ )\ ) & -0.0239(12)\ 0.0058(12)\ -0.0044(10) \end{pmatrix}$ C2 0.0508(16)  $\binom{0.0406(13)}{0.0000} 0.101(3) -0.0282(15) 0.0196(16) -0.0090(12)$ C5 0.0432(14)  $\frac{0.0648(17)}{0.081(2)}$  0.081(2) -0.0472(16) 0.0076(14) -0.0098(13) C6 0.0298(11)  $\binom{0.0475(13\ 0.0681(18\ )\ 0.0322(13)\ -0.0002(11)\ -0.0030(10)\ )}{)}$ C7 0.0339(11) 0.0433(12 0.0491(15 ) ) -0.0219(11) -0.0036(11) -0.0006(10) C23 0.0618(17)  $\begin{pmatrix} 0.0739(18 \ 0.0421(15 \ ) \ ) \end{pmatrix}$  -0.0249(14) 0.0061(13) -0.0071(15) C24 0.0502(15) 0.080(2)  $\begin{pmatrix} 0.0441(16 \\ ) & -0.0244(14) & -0.0051(13) & 0.0031(14) \end{pmatrix}$ C4 0.0504(17)  $\begin{pmatrix} 0.0698(19) \\ 0.132(3) & -0.072(2) & 0.021(2) & -0.0135(15) \end{pmatrix}$ C3 0.0585(19)  $\begin{pmatrix} 0.0492(15) \\ 0.137(4) & -0.051(2) & 0.034(2) & -0.0161(14) \end{pmatrix}$ 

### Table 8. Hydrogen atomic coordinates and isotropic atomic displacement parameters (Å<sup>2</sup>) for 6.

	x/a	y/b	z/c	U(eq)
H27	0.8667	-0.1481	0.6978	0.055

	x/a	y/b	z/c	U(eq)	
H26	0.5682	-0.0847	0.7626	0.054	
H21	-0.5080	0.3646	0.8880	0.064	
H29	1.0475	0.1497	0.6275	0.059	
H10	0.4349	-0.0269	0.9143	0.065	
H9	0.1575	0.0364	0.9922	0.068	
H20	-0.2289	0.3056	0.8065	0.06	
H30	0.7495	0.2130	0.6874	0.058	
H14	0.4555	0.1616	0.5609	0.054	
H15	0.4435	0.2621	0.3767	0.064	
H16	0.3425	0.4573	0.3015	0.073	
H17	0.2352	0.5477	0.4123	0.069	
H2	0.2110	0.6295	0.5174	0.08	
H5	0.0712	0.4114	0.8786	0.069	
H23	-0.2322	0.2308	1.1676	0.072	
H24	0.0459	0.1724	1.0846	0.072	
H4	0.0408	0.6072	0.8124	0.09	
H3	0.0993	0.7157	0.6312	0.096	