

Supporting information for:

**Silver(I) complexes with oxazoline-containing tripodal ligand:
structure variation via counter anions and reaction conditions**

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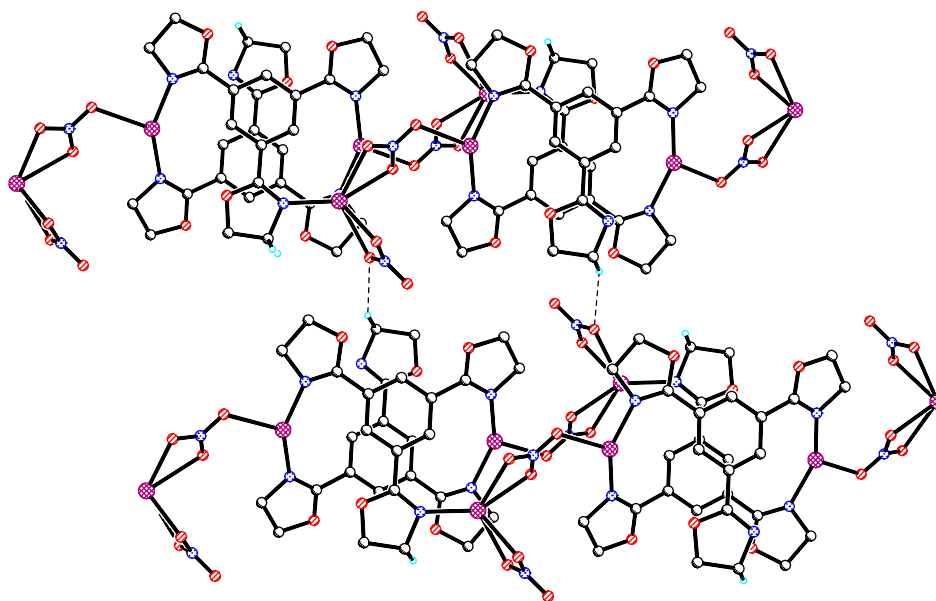


Figure S1 The 2D diagram of **5** with hydrogen bonds indicated by dashed lines.

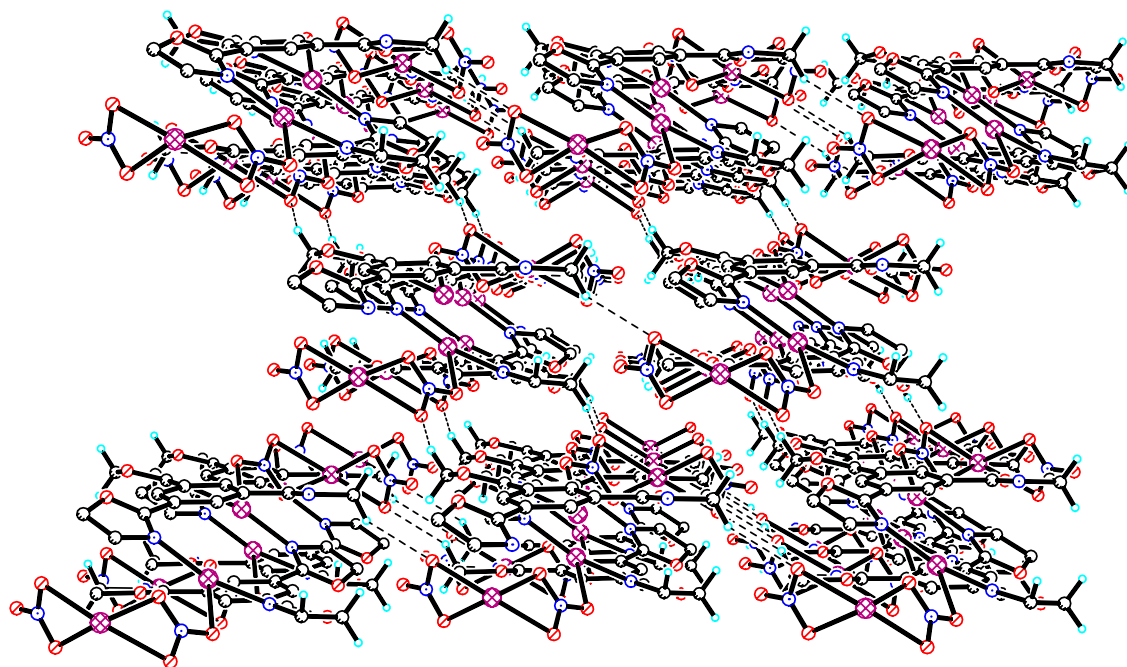


Figure S2 The 3D diagram of **5** with hydrogen bonds indicated by dashed lines.

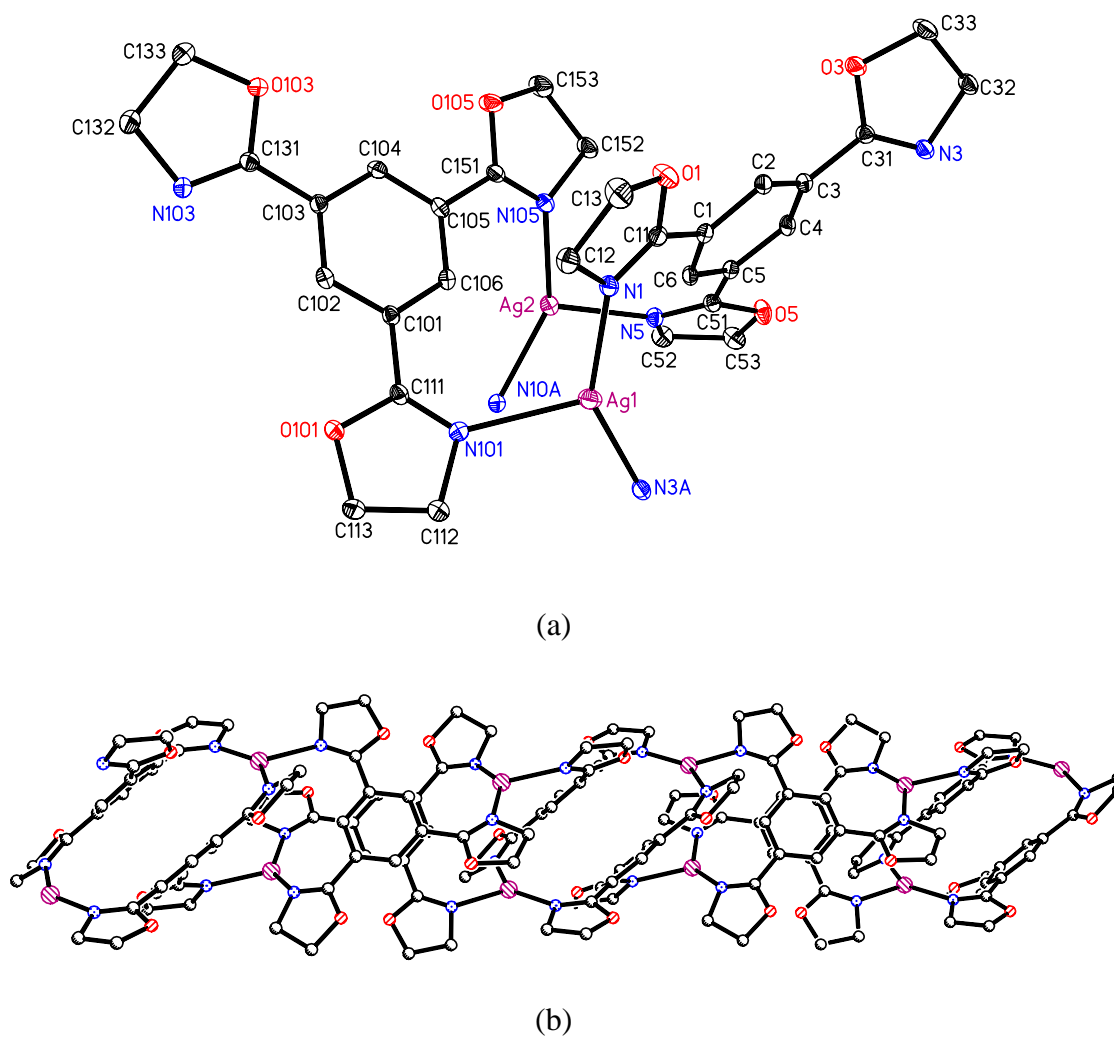


Figure S3 (a) ORTEP drawing showing the coordination environment around Ag(I) centers at 30% probability level. The hydrogen atoms and counter perchlorate anions were omitted for clarity. (b) View of 1D infinite chain structure of **6**. The hydrogen atoms and counter perchlorate anions were omitted for clarity .

Table S1 Distances (Å) and angles (°) of hydrogen bonding for complexes **1-7**^a

D-H...A ^b	Distance (D...A ^b)	D-H-A ^b	Angle (D-H-A ^b)
1			
C(13)-H(6)...O(13) ^{#1}	3.455(12)	C(13)-H(6)-O(13) ^{#1}	148
C(13)-H(7)...O(12) ^{#2}	3.499(12)	C(13)-H(7)-O(12) ^{#2}	153
C(52)-H(13)...F(3) ^{#3}	3.432(11)	C(52)-H(13)-F(3) ^{#3}	151
C(53)-H(15)...O(12) ^{#4}	3.410(13)	C(53)-H(15)-O(12) ^{#4}	150
2			
C(9)-H(9B)...O(6) ^{#5}	3.197(12)	C(9)-H(9B)-O(6) ^{#5}	126
3			
C(6)-H(6A)...F(1) ^{#6}	3.316(16)	C(6)-H(6A)-F(1) ^{#6}	164
C(12)-H(12A)...F(2)	3.244(16)	C(12)-H(12A)-F(2)	155
C(15)-H(15A)...F(3) ^{#7}	3.111(15)	C(15)-H(15A)-F(3) ^{#7}	120
C(21)-H(21A)...F(3) ^{#8}	3.143(13)	C(21)-H(21A)-F(3) ^{#8}	134
C(23)-H(23B)...F(1) ^{#8}	3.350(15)	C(23)-H(23B)-F(1) ^{#8}	141
4			
C(2)-H(2C)...O(20)	3.192(19)	C(2)-H(2C)-O(20)	125
C(5)-H(5C)...O(12) ^{#9}	3.100(14)	C(5)-H(5C)-O(12) ^{#9}	124
C(6)-H(6A)...O(12) ^{#9}	3.161(15)	C(6)-H(6A)-O(12) ^{#9}	120
C(8)-H(8B)...O(7) ^{#10}	3.113(18)	C(8)-H(8B)-O(7) ^{#10}	121
C(15)-H(15A)...O(16) ^{#11}	3.448(16)	C(15)-H(15A)-O(16) ^{#11}	162
C(20)-H(20A)...O(9) ^{#12}	3.128(19)	C(20)-H(20A)-O(9) ^{#12}	133
C(23)-H(23B)...O(15) ^{#11}	3.245(15)	C(23)-H(23B)-O(15) ^{#11}	130
C(24)-H(24A)...O(15) ^{#11}	3.237(15)	C(24)-H(24A)-O(15) ^{#11}	127
5			
C(11)-H(11A)...O(7) ^{#13}	3.318(19)	C(11)-H(11A)-O(7) ^{#13}	133
C(11)-H(11B)...O(5) ^{#14}	3.201(15)	C(11)-H(11B)-O(5) ^{#14}	129
C(12)-H(12B)...O(7) ^{#13}	3.32(2)	C(12)-H(12B)-O(7) ^{#13}	131
C(15)-H(15A)...O(5) ^{#15}	3.391(19)	C(15)-H(15A)-O(5) ^{#15}	140
C(15)-H(15B)...O(7) ^{#16}	3.334(18)	C(15)-H(15B)-O(7) ^{#16}	145
6			
C(2)-H(1)...O(11) ^{#17}	3.132(4)	C(2)-H(1)-O(11) ^{#17}	130
C(33)-H(10)...O(13) ^{#17}	3.358(5)	C(33)-H(10)-O(13) ^{#17}	139

C(52)-H(12)···O(12)	3.356(4)	C(52)-H(12)-O(12)	134
C(52)-H(13)···O(14) ^{#18}	3.438(4)	C(52)-H(13)-O(14) ^{#18}	145
C(102)-H(16)···O(13) ^{#19}	3.309(4)	C(102)-H(16)-O(13) ^{#19}	166
C(132)-H(24)···O(11) ^{#20}	3.120(4)	C(132)-H(24)-O(11) ^{#20}	120
C(133)-H(25)···O(23) ^{#21}	3.484(5)	C(133)-H(25)-O(23) ^{#21}	149
C(152)-H(27)···O(12)	3.273(5)	C(152)-H(27)-O(12)	152
7			
C(6)-H(6A)···O(6)	3.46(3)	C(6)-H(6A)-O(6)	169
C(10)-H(10A)···O(4) ^{#22}	3.25(3)	C(10)-H(10A)-O(4) ^{#22}	131
C(12)-H(12A)···O(5) ^{#23}	3.44(2)	C(12)-H(12A)-O(5) ^{#23}	148
C(12)-H(12B)···O(4) ^{#24}	3.43(3)	C(12)-H(12B)-O(4) ^{#24}	160
C(12)-H(12C)···O(5) ^{#25}	3.52(2)	C(12)-H(12C)-O(5) ^{#25}	165

^a Symmetry transformation used to generate equivalent atoms: #1 $x, -1+y, z$; #2 $1-x, -1/2+y, 3/2-z$; #3 $-x, -1/2+y, 3/2-z$; #4 $-1+x, -1+y, z$; #5 $x, 1/2-y, 1/2+z$; #6 $-x, 1-y, 1-z$; #7 $-x, -1/2+y, 1/2-z$; #8 $1-x, -1/2+y, 3/2-z$; #9 $-1+x, y, 1+z$; #10 $-x, 1-y, -z$; #11 $1-x, 1-y, -z$; #12 $-x, 1-y, 1-z$; #13 $2-x, -y, 1-z$; #14 $1-x, -y, 1-z$; #15 $2-x, 1-y, 1-z$; #16 $3-x, 1-y, 1-z$; #17 $-x, 1/2+y, 1/2-z$; #18 $x, 1/2-y, -1/2+z$; #19 $1-x, 1-y, 1-z$; #20 $1-x, 1/2+y, 3/2-z$; #21 $x, y, 1+z$; #22 $2/3-x+y, 1/3+y, -1/6+z$; #23 $4/3-y, 5/3-x, 1/6+z$; #24 $5/3-y, 4/3+x-y, 1/3+z$; #25 $x, 1+x-y, 1/2+z$.

^b D: donor; A: acceptor.