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Electronic Supplementary Information (ESI)

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Novel intercluster compound between heptakis{triphenylphosphinegold(I)}dioxonium cation and α-Keggin polyoxometalate anion

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Table S1 Bond lengths (Å) around the Keggin polyoxoanion in **1**

W–O_t (O_t : terminal oxygen)			
W(1)–O(3)	1.682(8)	W(7)–O(9)	1.714(8)
W(2)–O(4)	1.689(7)	W(8)–O(10)	1.702(8)
W(3)–O(5)	1.698(7)	W(9)–O(11)	1.699(7)
W(4)–O(6)	1.708(7)	W(10)–O(12)	1.711(7)
W(5)–O(7)	1.704(8)	W(11)–O(13)	1.724(7)
W(6)–O(8)	1.701(8)	W(12)–O(14)	1.688(7)
		average	1.702
W–O_c (O_c : corner-sharing oxygen)			
W(1)–O(15)	1.906(7)	W(7)–O(27)	1.925(7)
W(1)–O(16)	1.934(7)	W(7)–O(33)	1.915(7)
W(2)–O(16)	1.864(7)	W(8)–O(27)	1.885(7)
W(2)–O(17)	1.908(7)	W(8)–O(34)	1.879(7)
W(3)–O(15)	1.895(7)	W(9)–O(29)	1.886(7)
W(3)–O(17)	1.896(7)	W(9)–O(35)	1.922(7)
W(4)–O(29)	1.905(7)	W(10)–O(30)	1.893(7)
W(4)–O(30)	1.907(7)	W(10)–O(35)	1.884(7)
W(5)–O(25)	1.906(7)	W(11)–O(31)	1.907(7)
W(5)–O(31)	1.895(7)	W(11)–O(32)	1.900(7)
W(6)–O(25)	1.895(7)	W(12)–O(33)	1.885(7)
W(6)–O(32)	1.902(7)	W(12)–O(34)	1.928(7)
		average	1.901
W–O_e (O_e : edge-sharing oxygen)			
W(1)–O(18)	1.907(7)	W(3)–O(23)	1.929(7)
W(1)–O(19)	1.914(7)	W(4)–O(18)	1.919(7)
W(2)–O(20)	1.910(7)	W(4)–O(24)	1.907(7)
W(2)–O(21)	1.943(7)	W(5)–O(19)	1.917(7)
W(3)–O(22)	1.917(7)	W(5)–O(24)	1.914(7)

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W(6)–O(20)	1.911(7)	W(9)–O(28)	1.914(8)
W(6)–O(26)	1.926(7)	W(10)–O(36)	1.918(8)
W(7)–O(21)	1.908(7)	W(10)–O(38)	1.911(7)
W(7)–O(26)	1.915(8)	W(11)–O(36)	1.913(7)
W(8)–O(22)	1.917(7)	W(11)–O(37)	1.914(7)
W(8)–O(28)	1.907(8)	W(12)–O(37)	1.910(7)
W(9)–O(23)	1.896(7)	W(12)–O(38)	1.908(7)
		average	1.914

W–O_a (O_a : oxygen coordinating to heteroatom)			
W(1)–O(39)	2.453(7)	W(7)–O(40)	2.405(6)
W(2)–O(40)	2.473(6)	W(8)–O(41)	2.462(7)
W(3)–O(41)	2.422(7)	W(9)–O(41)	2.445(7)
W(4)–O(39)	2.427(7)	W(10)–O(42)	2.417(7)
W(5)–O(39)	2.428(7)	W(11)–O(42)	2.444(7)
W(6)–O(40)	2.426(7)	W(12)–O(42)	2.450(7)
		average	2.438