Supplementary material 1 – Manuscript Corbi et al.



(A) ¹H-NMR spectrum of BSO and (B) ¹³C-NMR spectrum of BSO

Supplementary material 2 – Manuscript Corbi et al.

[¹H-¹³C]-HMBC NMR spectrum of BSO and DEPT 135 NMR spectrum of BSO (box)





Supplementary material 3 – Manuscript Corbi et al.

[¹H-¹³C]-HSQC NMR spectrum of BSO.



Supplementary material 4 – Manuscript Corbi et al.

Thermogravimetric analysis of [Ag₂(BSO)] complex.



Supplementary material 5 – Manuscript Corbi et al.

Raman spectrum of [Ag₂(BSO)] complex.



Supplementary material 6 – Manuscript Corbi et al.

Distance	BSO / Å	Ag-BSO / Å
Ag-NH ₂ (R)	-	2.075
Ag-O(CO)R	-	2.032
Ag-N(SO)R	-	1.992
N-S(O)R	1.557	1.537
O-S(N)R	1.497	2.679
Angle	Ag-BSO / °	
N-Ag-O	83.1	
Ag-N-C	108.0	
Ag-O-C	116.2	
Ag-N-S	86.9	
Dihedral	Ag-BSO / °	
C-N-Ag-O	-17.0	
N-Ag-O-C	10.5	
N-C-C-O	-14.2	

BSO and [Ag₂(BSO)] bond distances, angles and dihedrals.