

Supplementary Data

The overall protonation constants of the ligands and the overall stability constants of the binary complexes

<i>Overall protonation constants $\log\beta$ of the ligands</i>				
	<i>Ser-P</i>	<i>Put</i>	<i>Spd</i>	<i>Spm</i>
HL	10.03	10.83	10.97	10.91
H ₂ L	16.07	20.51	21.03	21.28
H ₃ L	18.70	---	29.61	30.39
H ₄ L	20.82	---	---	38.67

<i>Overall stability constants $\log\beta$ of the binary complexes</i>				
	<i>Ser-P</i>	<i>Put</i>	<i>Spd</i>	<i>Spm</i>
CuHL	15.02	15.83	18.91	---
CuL	9.90	8.62	11.70	14.66
CuL(OH)	2.29	---	2.90	---
CuL(OH) ₂	-8.78	---	---	---
CuL ₂	15.75	13.40	17.13	---
CuL(HL)	---	---	---	29.32
MH ₂ L	---	---	---	27.63
ML ₂ (OH)	---	0.065	6.72	---