

Supplementary Table 1. Species distribution for capreomycin and hygromycin B and their complexes with Cu²⁺ ions in solution at pH 5.5, 6.5 and 7.5. The molar fractions of various species (in percentages) were taken from previously published data [20,21].

Capreomycin complex		pH 5.5	6.5	7.5
Ligand	H ₄ L	84.1	33.8	3.4
	H ₃ L	15.9	63.6	69.0
	H ₂ L	0.0	2.6	27.6
0.05 mM	CuH ₃ L	1.2	4.8	0.0
	CuH ₂ L	0.0	2.8	0.1
	CuHL	0.0	4.8	20.6
	CuL	0.0	2.16	48.3
	CuH ₋₁ L	0.0	0.0	12.1
0.1 mM	CuH ₃ L	2.4	6.4	0.0
	CuH ₂ L	0.0	4.6	0.0
	CuHL	0.0	7.8	21.8
	CuL	0.0	1.8	51.1
	CuH ₋₁ L	0.0	0.0	12.8
0.2 mM	CuH ₃ L	4.5	9.6	0.0
	CuH ₂ L	0.0	6.9	1.3
	CuHL	0.0	11.8	22.7
	CuL	0.0	2.8	53.2
	CuH ₋₁ L	0.0	0.0	13.4
0.5 mM	CuH ₃ L	10.1	14.4	0.0
	CuH ₂ L	0.0	10.4	1.4
	CuHL	0.0	17.7	23.5
	CuL	0.0	4.14	55.1
	CuH ₋₁ L	0.0	0.0	13.8
Hygromycin B complex		pH 5.5	6.5	7.5
Ligand	H ₃ L	96.3	71.1	17.4
	H ₂ L	3.7	28.0	65.4
	HL	0.0	0.9	17.2
0.1 mM	CuH ₂ L	4.3	5.6	0.0
	CuHL	0.0	7.7	0.7
	CuL	0.0	43.4	41.5
	CuH ₋₁ L	0.0	5.59	53.5
0.3 mM	CuH ₂ L	10.9	6.8	0.0
	CuHL	0.9	9.4	0.7
	CuL	0.9	53.0	42.0
	CuH ₋₁ L	0.0	6.8	54.1
1.0 mM	CuH ₂ L	25.8	8.1	0.6
	CuHL	3.8	11.2	1.8
	CuL	2.1	62.8	42.5
	CuH ₋₁ L	0.0	8.1	54.8