

Table SI. Chemical characterization.

Drug	Color	E. A. <sup>a</sup> (%N; %C; %H)	Formula <sup>b</sup>	FW (g/mol)	$\mu_{\text{eff}}$ (BM) <sup>c</sup>	Cond. ( $\mu\text{S}$ ) <sup>d</sup>
Cas-II-gly	Blue	12.60; 43.37; 4.62 (12.62; 43.29; 4.54)	$\text{CuC}_{16}\text{H}_{16}\text{N}_4\text{O}_5 \cdot 2\text{H}_2\text{O}$	443.9	1.78	38.6

<sup>a</sup>E. A. elemental analysis experimental data (calculated data); <sup>b</sup>Formulated per metal ion; <sup>c</sup>Magnetic effective moment; <sup>d</sup>Conductivity 1 mM ethanolic solution at 298 K. Cas-II-gly, Casiopeina II-gly.