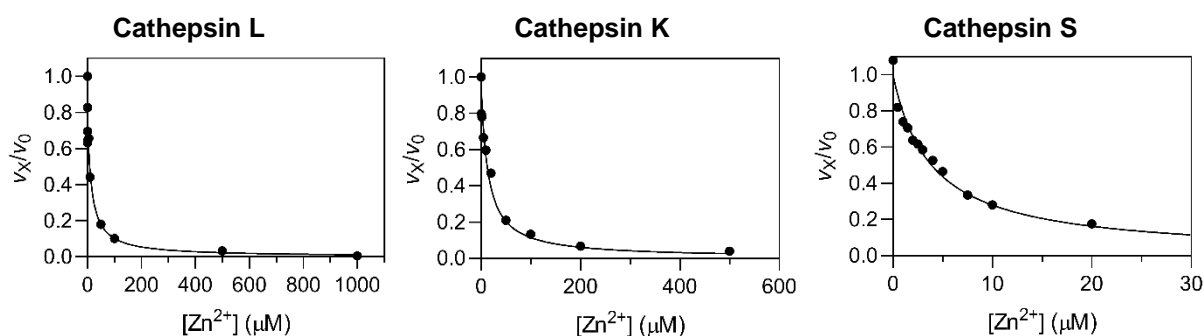


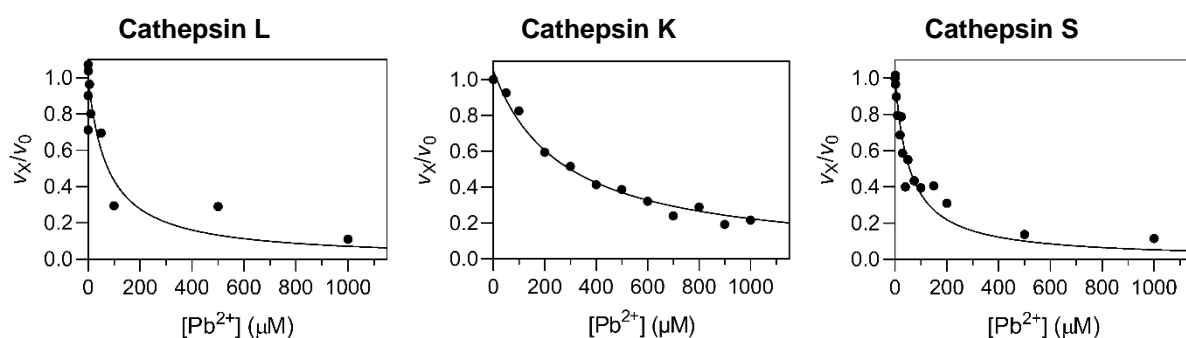
# Kinetic Characterization of Cerium and Gallium Ions as Inhibitors of Cysteine Cathepsins L, K, and S

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## Supplementary materials



**Supplementary Figure S1: Titration of cathepsins L, K and S with  $Zn^{2+}$  ions.** Titration curves were recorded using synthetic fluorogenic substrates (Z-Leu-Arg-AMC, Z-Phe-Arg-AMC and Z-Val-Val-Arg-AMC for cathepsins L, K and S, respectively) at 25 °C in 0.1 M sodium acetate buffer pH 5.5.  $\sigma$  is equal to  $[S]/K_m$ .



**Supplementary Figure S2: Titration of cathepsins L, K and S with  $Pb^{2+}$  ions.** Titration curves were recorded using synthetic fluorogenic substrates (Z-Leu-Arg-AMC, Z-Phe-Arg-AMC and Z-Val-Val-Arg-AMC for cathepsins L, K and S, respectively) at 25 °C in 0.1 M sodium acetate buffer pH 5.5.  $\sigma$  is equal to  $[S]/K_m$ .