

Supplementary material

***Bisphosphonic acids as effective inhibitors of Mycobacterium
tuberculosis glutamine synthetase***

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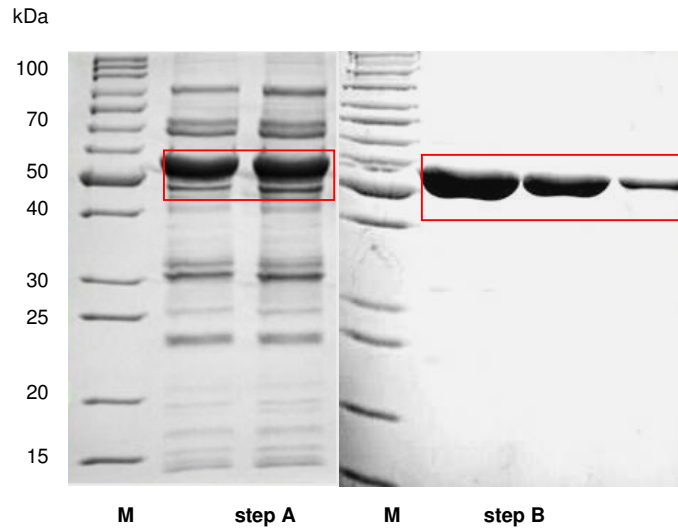


Figure S1. SDS-PAGE electropherogram of *MtGS* fractions obtained after step A - IMAC chromatography (HisTrapTM FF column) and step B- gel-filtration chromatography (Sephacryl S-300 HR 26/60 column) . The red rectangles indicates subunits of the purified *MtGS* with molecular weight of 54 kDa, lane M corresponds to molecular weight markers.

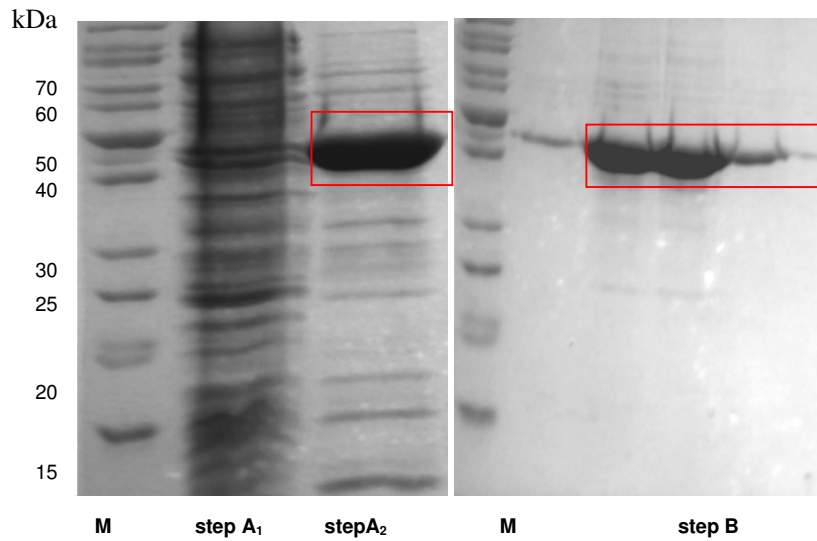


Figure S2. SDS-PAGE electropherogram of *HsGS* fractions obtained after step A - IMAC chromatography (HisTrapTM FF column) and step B- gel-filtration chromatography (Sephacryl S-300 HR 26/60 column). The red rectangles indicates subunits of the purified *HsGS* with molecular weight of 45 kDa, lane M corresponds to molecular weight markers.

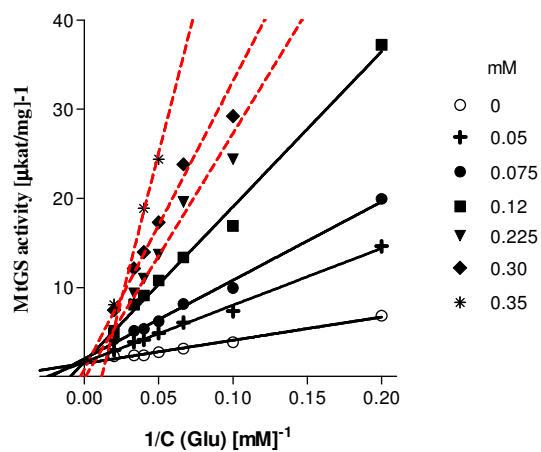


Figure S3. Representative Lineweaver-Burk plot for inhibitor **60** including also the results obtained at higher concentrations of tested compound (0.225, 0.3, 0.35 mM). Red dashed line shows the deflection from the standard enzyme kinetics.