



Supporting Information

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**Substrate modulation of the activity of an artificial nanoesterase made
of peptide-functionalized gold nanoparticles****

by

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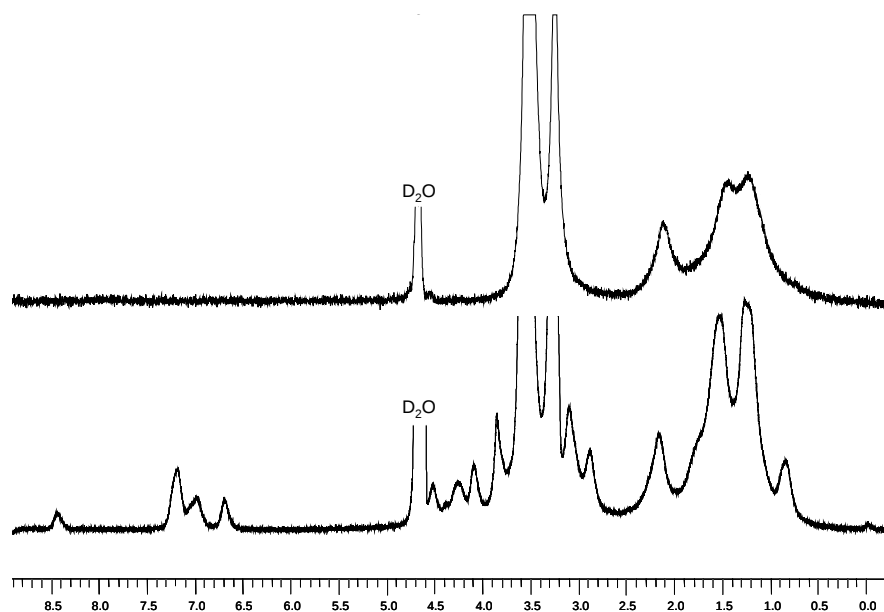


Figure S1. ^1H -NMR spectrum in D_2O of the C8-TEG functionalized nanoparticles (top) and Au-PEP nanoparticles (bottom), i.e. the nanoparticles obtained after the exchange process.

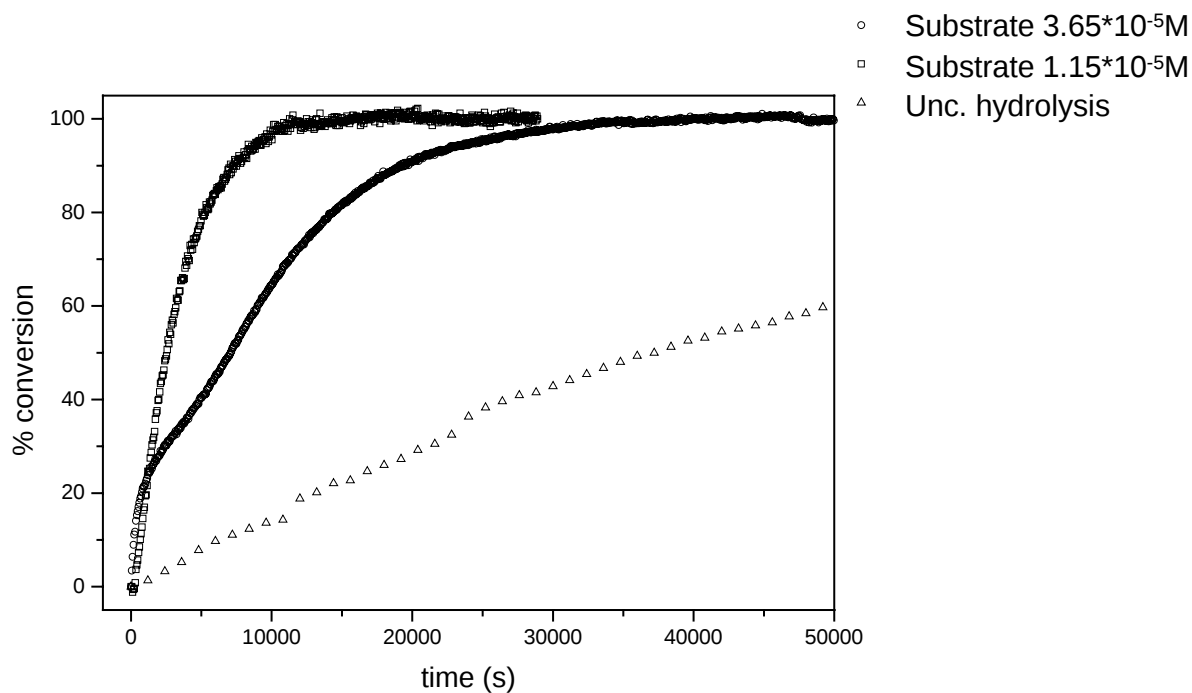


Figure S2. Kinetic runs for the cleavage of Z-Leu-PNP in the presence of Au-PEP ($[\text{catalyst}] = 1.4 \times 10^{-5} \text{ M}$) at different substrate concentrations. The hydrolysis in absence of catalysts is also reported as a reference.

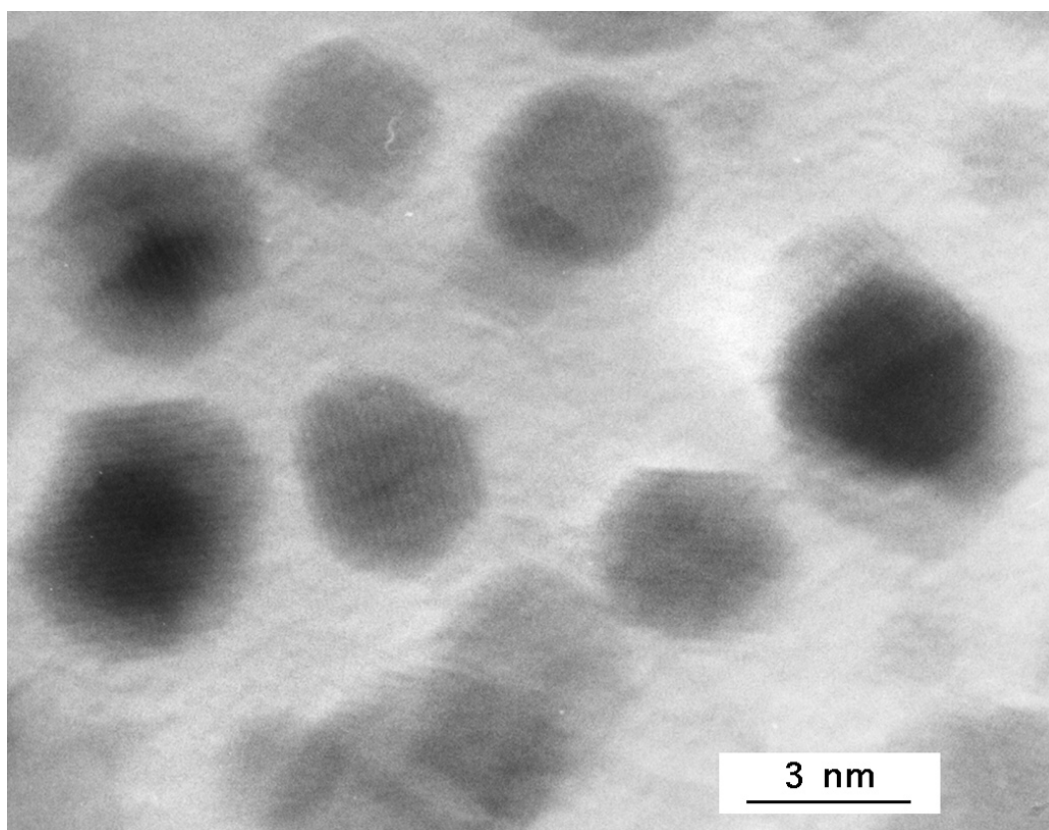


Figure S3. Representative HR-TEM image of Au-PEP nanoparticles.