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A facile and fast synthetic approach to create selenium nanoparticles with diverse shape and their antioxidation property

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**Fig. S1** Color changes of the obtained SeNP with the 3:1 or 2:1 of L-asparagine/H$_2$SeO$_3$ ratio and 10 min of irradiation treatment.

**Fig. S2** Inhibition of HepG2 cells proliferation induced by SeNP(II) (red curve) and SeNP(III) (blue curve) incubated for 24 h.