

# Magnetoliposomes as carriers for promising antitumor thieno[3,2-*b*]pyridin-7-arylamines: photophysical and biological studies

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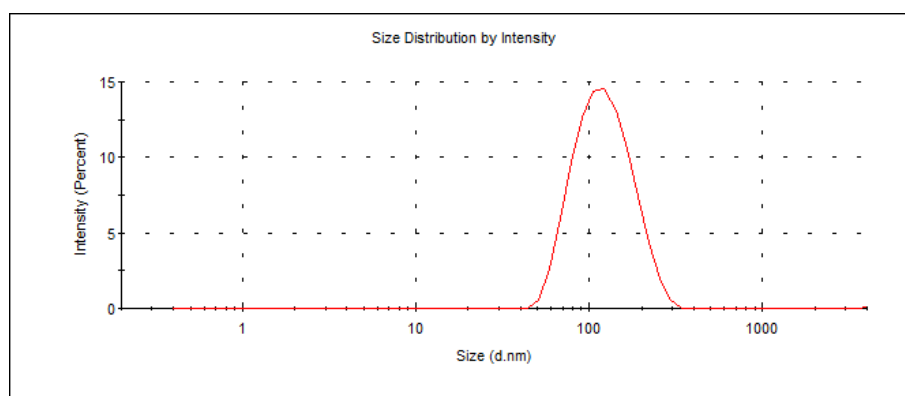
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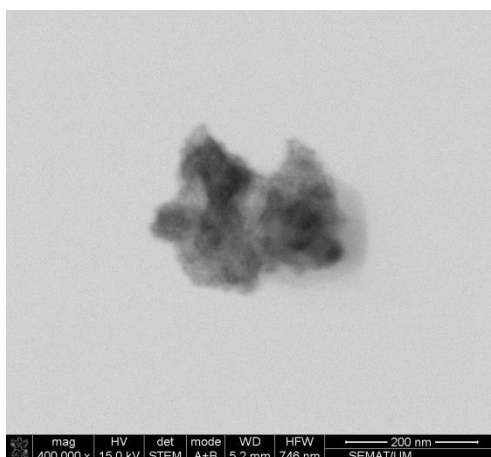
## Supplementary Information

### 1. Size distribution of SMLs of the lipid DPPC by Dynamic Light Scattering (DLS)



**Figure S1.** Size distribution (by intensity) obtained from DLS for solid magnetoliposomes of DPPC containing manganese ferrite nanoparticles, at 25 °C.

## 2. SEM image of SMLs of the lipid DPPC



**Figure S2.** SEM image (with application of a negative staining) for solid magnetoliposomes of the lipid DPPC containing manganese ferrite nanoparticles, showing an aggregate of two magnetoliposomes.

## 3. Growth inhibitory activity of drug-loaded solid magnetoliposomes

**Table S1.** Growth inhibitory activity of drug-loaded solid magnetoliposomes on various human tumor cell lines and non-tumor porcine liver primary cells (PLP2).

Cell line	GI <sub>50</sub> values <sup>a,b</sup> (μM) for compound 1		GI <sub>50</sub> values <sup>a,b</sup> (μM) for compound 2	
	DPPC SMLs with compound 1	DPPC/PEG-Fol (95:5) SMLs with compound 1	DPPC SMLs with compound 2	DPPC/PEG-Fol (95:5) SMLs with compound 2
HeLa	> 7.5	> 7.5	> 7.5	> 7.5
MCF7	> 7.5	> 7.5	> 7.5	> 7.5
T3M4	> 7.5	> 7.5	> 7.5	> 7.5
NCI-H460	> 7.5	> 7.5	> 7.5	> 7.5
PLP2	> 7.5	> 7.5	> 7.5	> 7.5

<sup>a</sup> GI<sub>50</sub> values correspond to the concentration which inhibited 50% of cell growth. Results are from three independent experiments (performed in triplicate).

<sup>b</sup> Maximum compound concentration tested: 7.5 μM.