

Supporting Information

for

Morphological characterization of fullerene–androsterone conjugates

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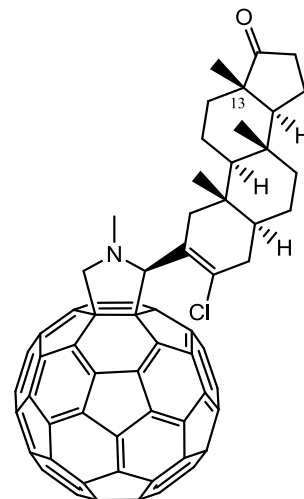
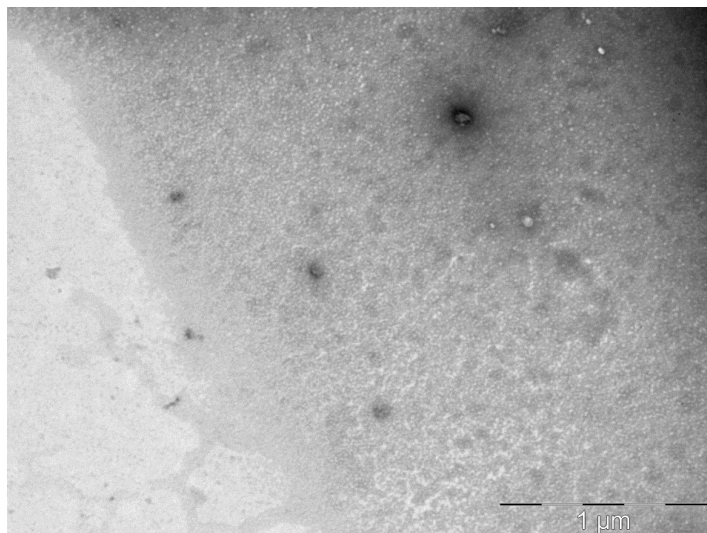
* Corresponding author

**TEM images and dynamic light scattering data for the C₆₀-androsterone conjugates Ia-b
and IIa,b**

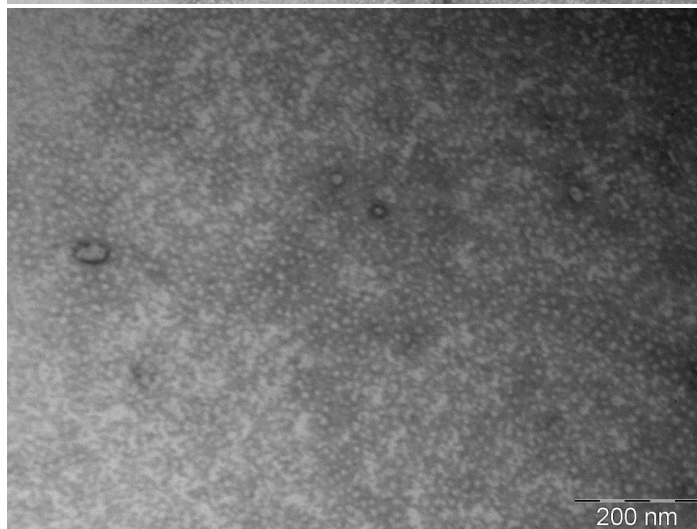
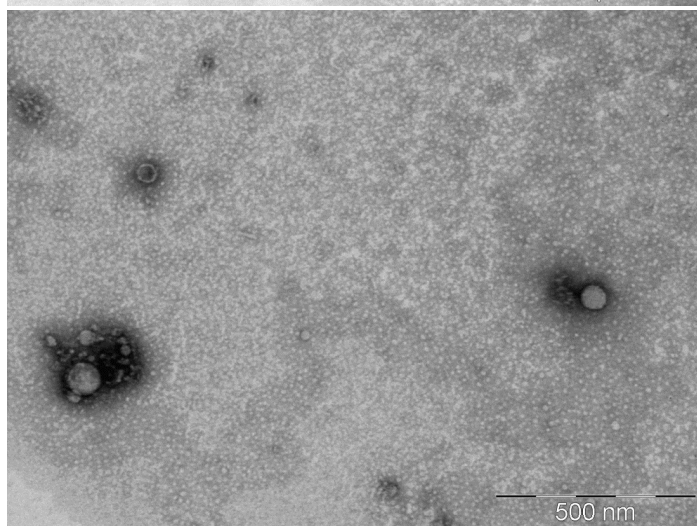
**Uranyl acetate negative stained transmission electron micrographs (TEM) of fullerene-
androsterone conjugates Ia-b and IIa-b.**

N-Methyl-2-substituted-pyrrolidino[3,4:1,2]-[60]fullerenes (**Ia-b** and **IIa-b**)

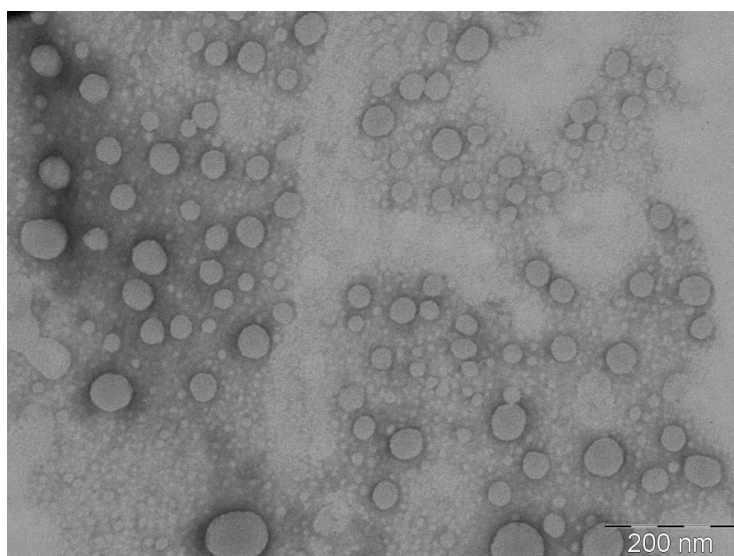
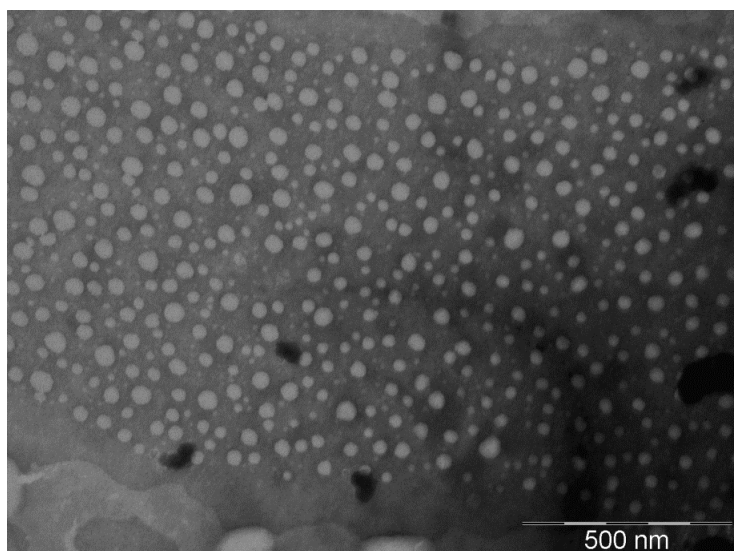
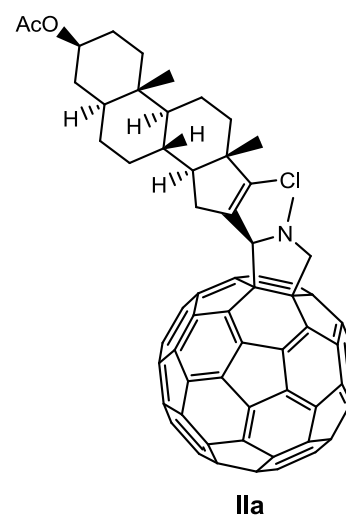
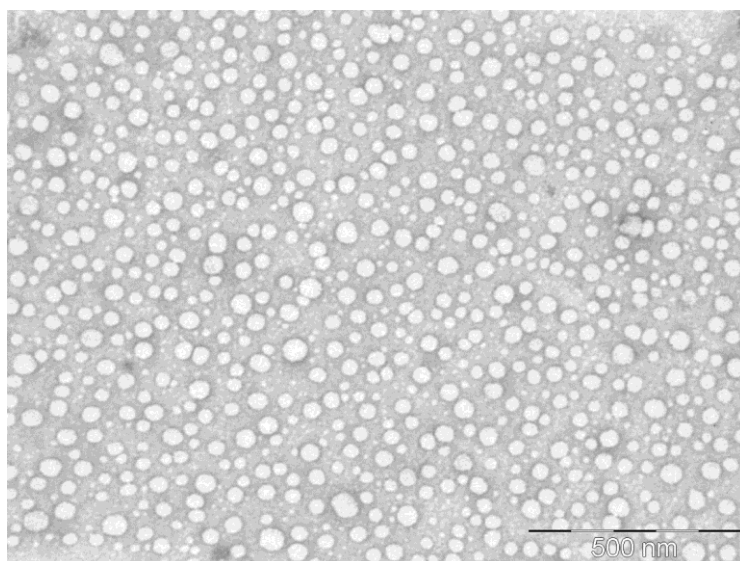
N-Methyl-2(R)-(3'-chloro-17'-oxo-(5 α -antrostan-2'-en-2-yl)-pyrrolidino[3,4:1,2][60]fullerene (**Ia**)



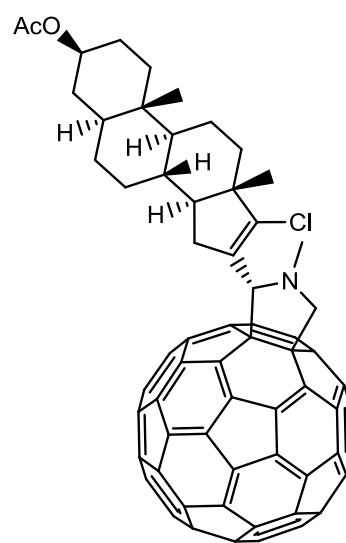
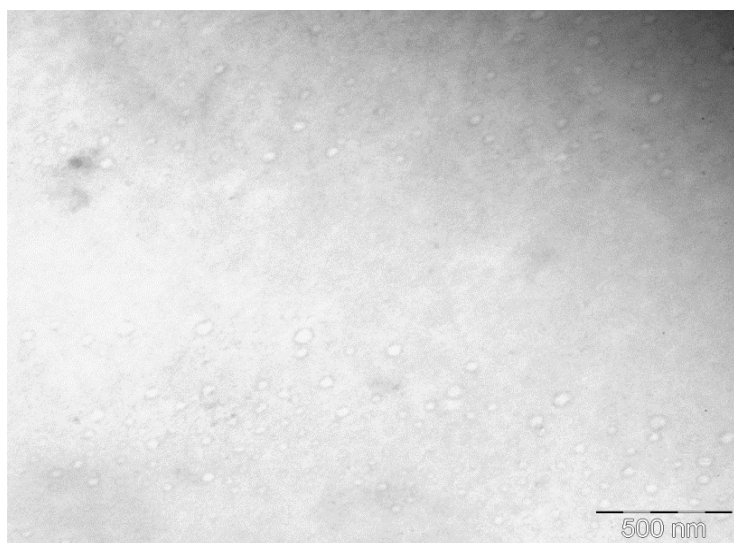
Ia



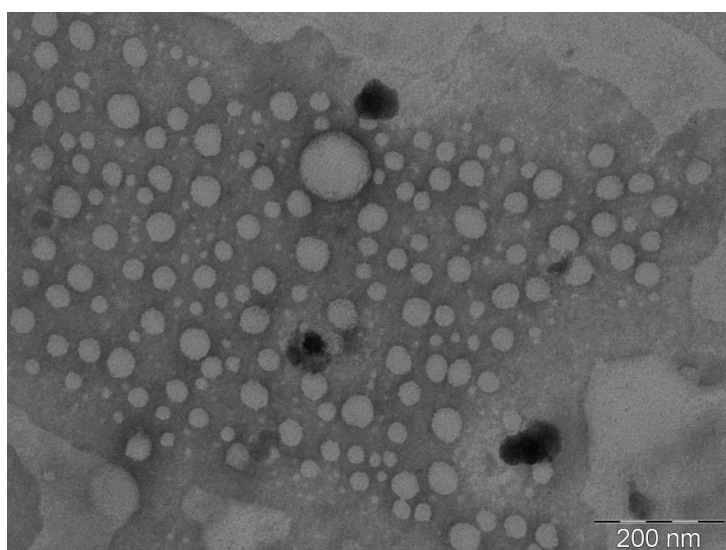
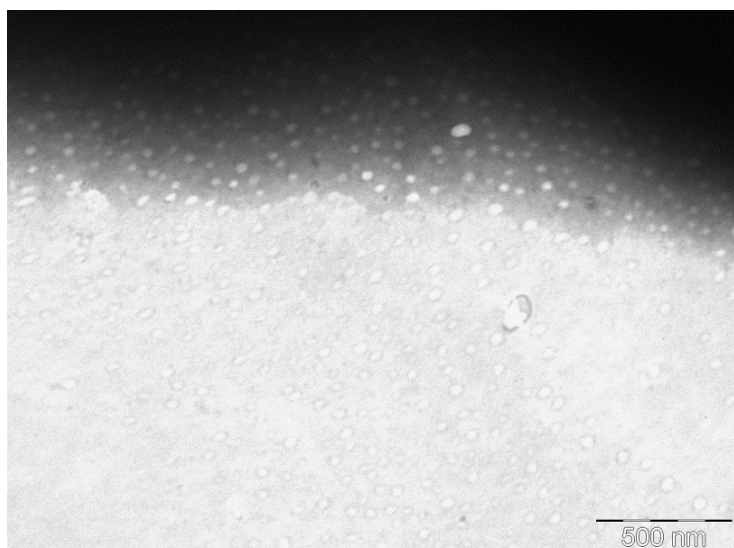
N-Methyl-2(R)-(3' β -acetoxy-17'-chloro-5 α -androstan-16-en-2-yl)pyrrolidino[3,4:1,2][60]fullerene (**IIa**)



N-Methyl-2(S)-(3' β -acetoxy-17'-chloro-5 α -androstan-16-en-2-yl)pyrrolidino[3,4:1,2][60]fullerene (**IIb**)



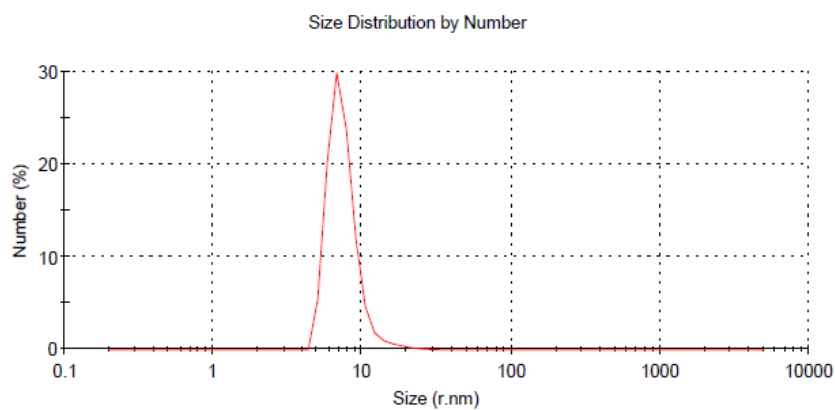
IIb



Dynamic Light Scattering data

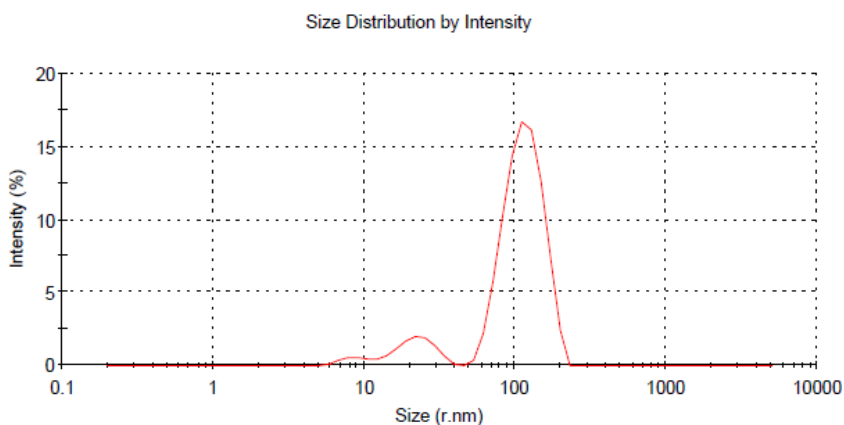
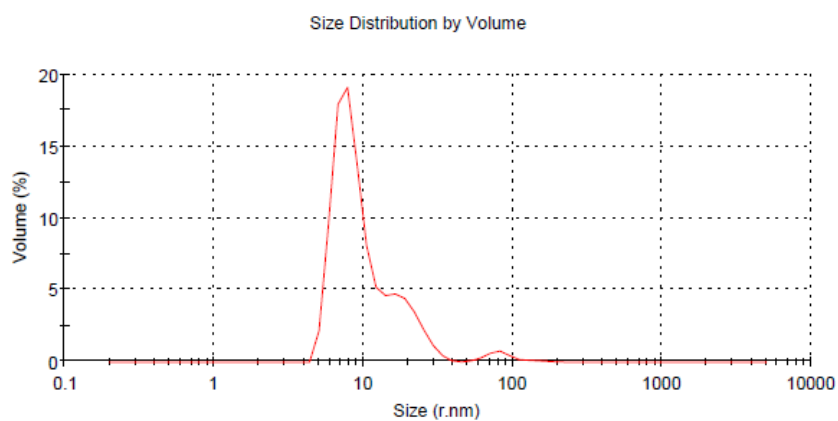
Histogram analyses of the particle size distribution by number, by volume and by intensity.

N-Methyl-2(R)-(3'-chloro-17'-oxo-(5 α -antrostan-2'-en-2-yl)-pyrrolidino[3,4:1,2][60]fullerene (Ia)
Concentration: 0.1 mgmL⁻¹

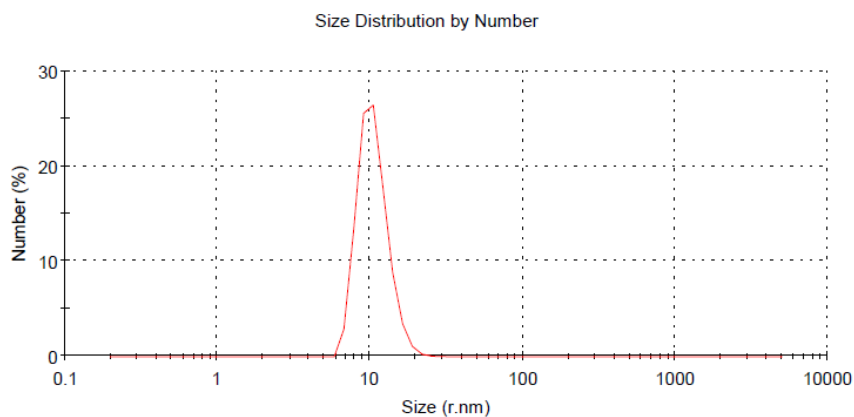


Pdl: 0.393

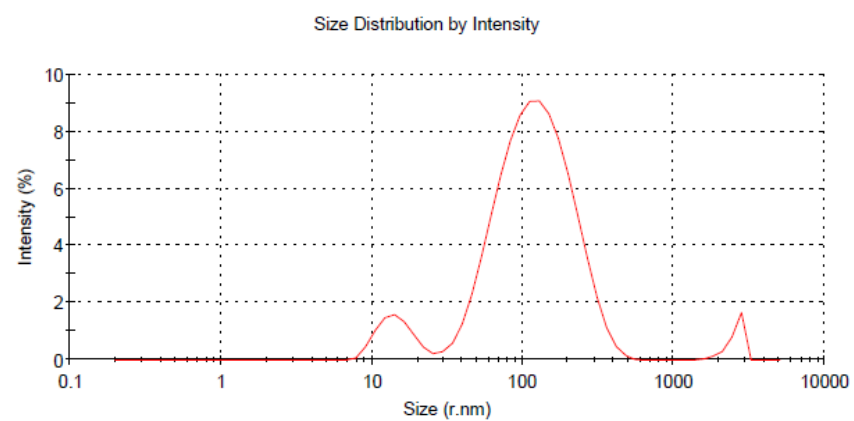
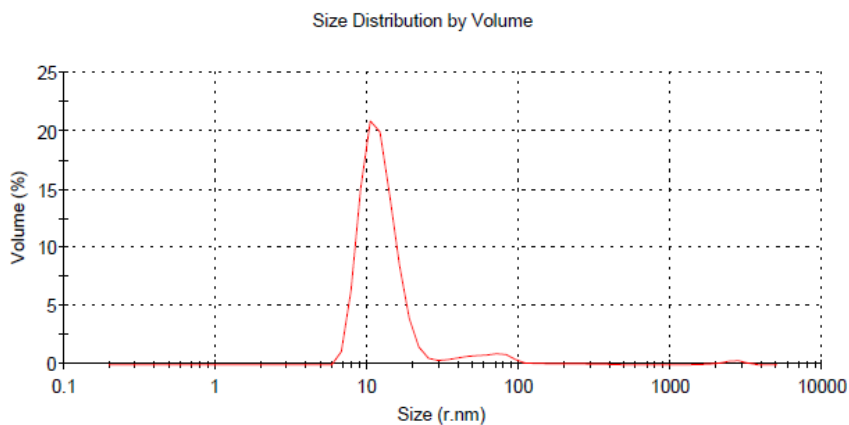
Intercept: 0.960



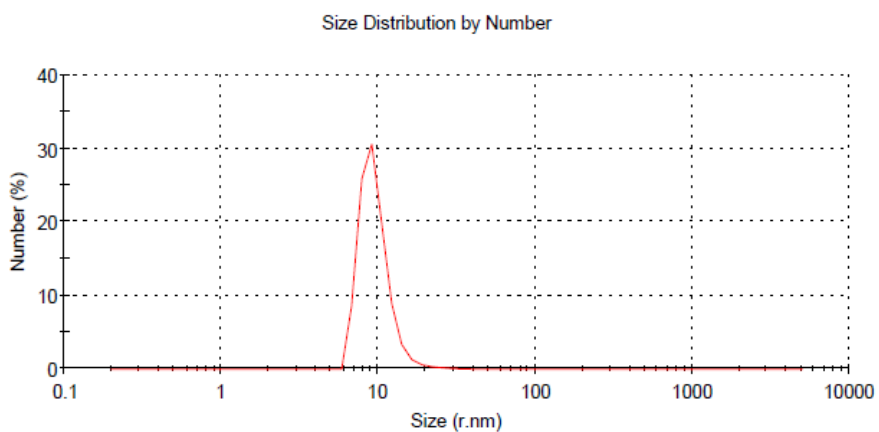
Concentration: 0.4 mgmL^{-1}



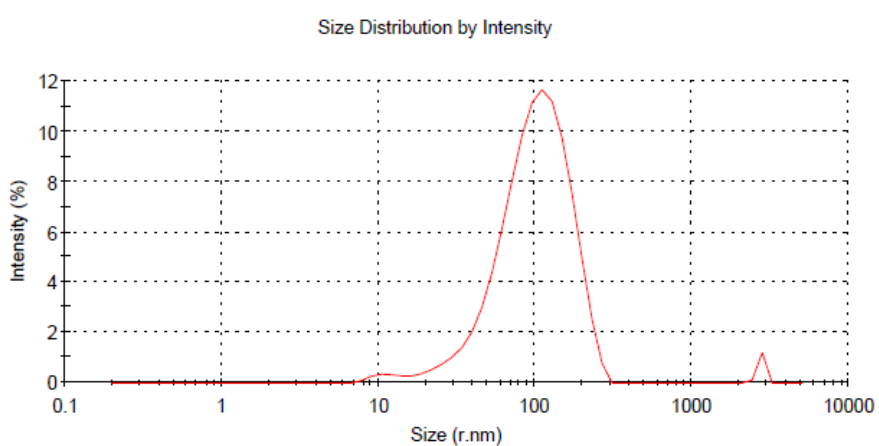
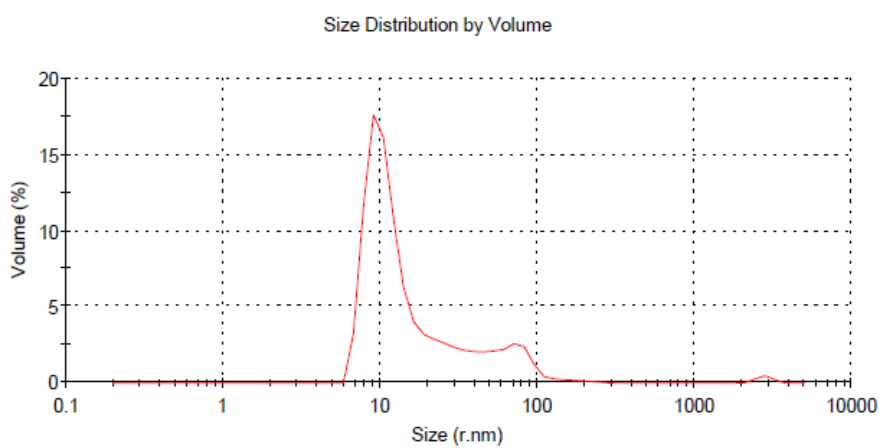
Pdl: 0.494
Intercept: 0.941



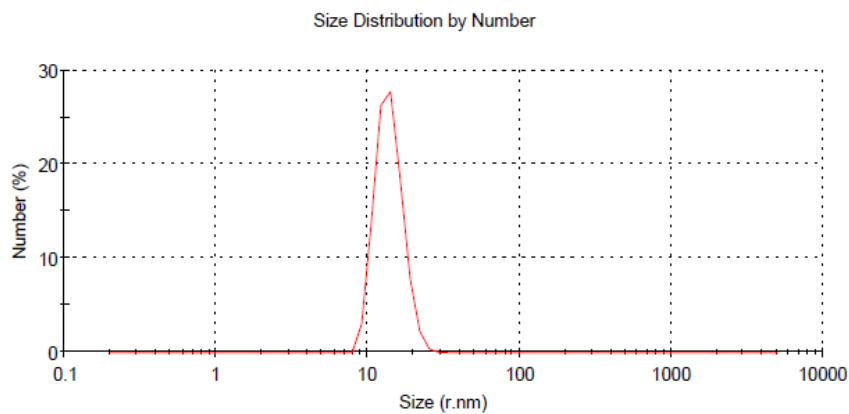
N-Methyl-2(S)-(3'-chloro-17'-oxo-(5 α -antrostan-2'-en-2-yl)-pyrrolidino[3,4:1,2][60]fullerene (**1b**)
Concentration: 0.1 mgmL⁻¹



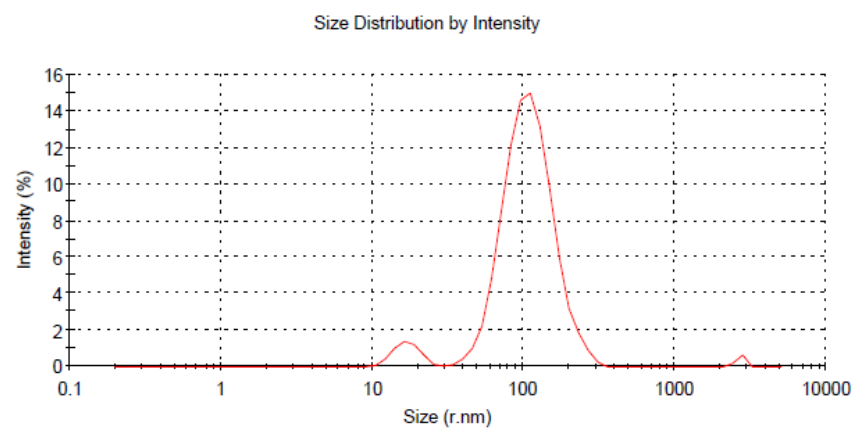
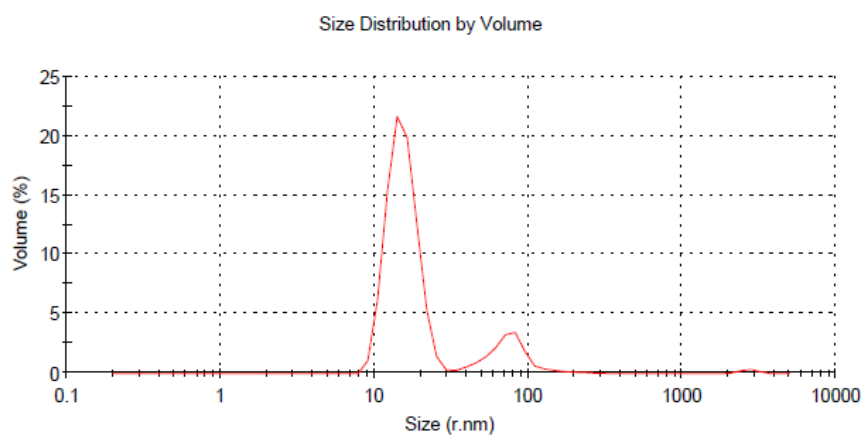
PdI: 0.454
Intercept: 0.941



Concentration: 0.4 mgmL⁻¹

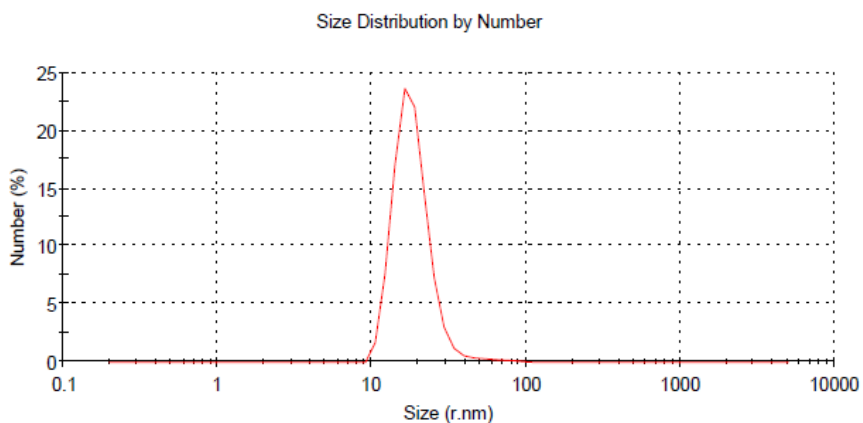


PdI: 0.339
Intercept: 0.930



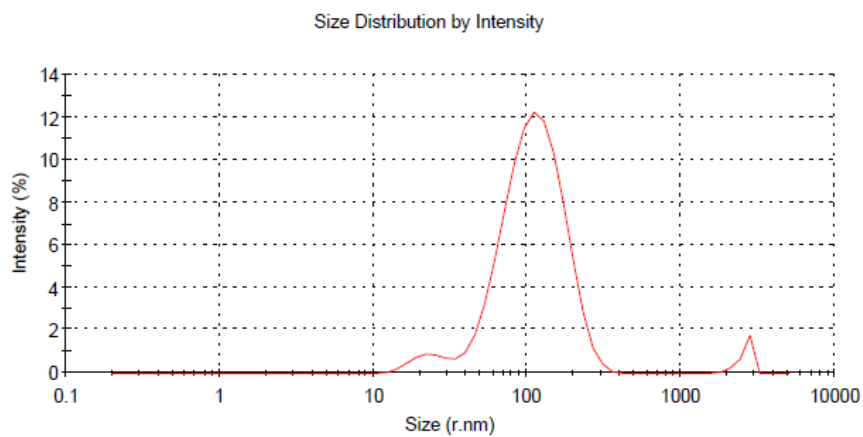
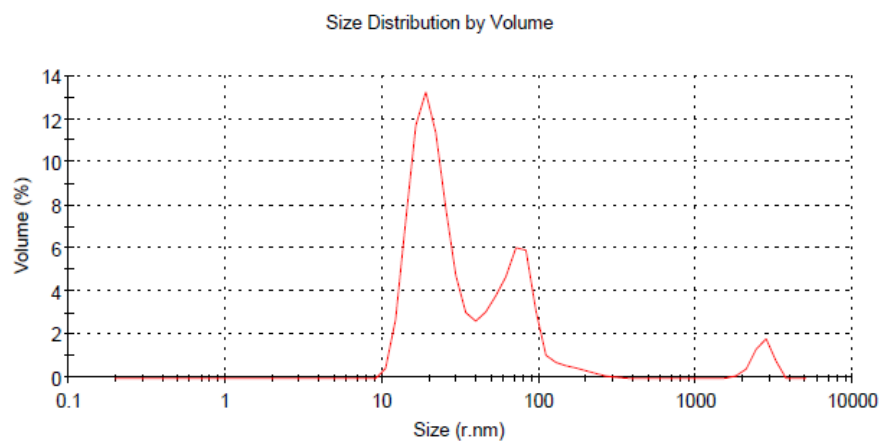
N-Methyl-2(R)-(3' β -acetoxy-17'-chloro-5 α -androstane-16-en-2-yl)pyrrolidino[3,4:1,2][60]fullerene (IIa)

Concentration: 0.1 mgmL⁻¹

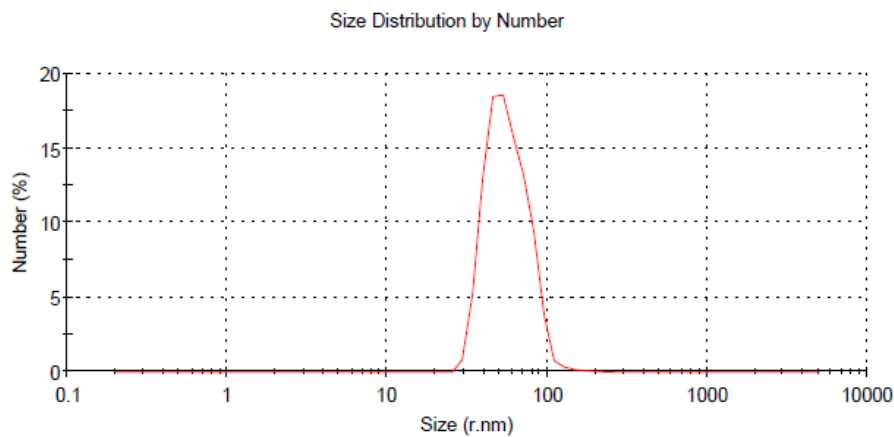


Pdl: 0.409

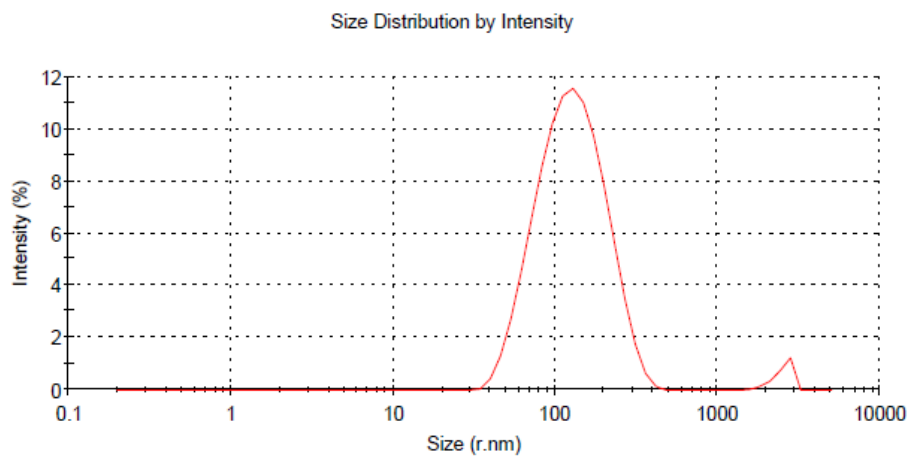
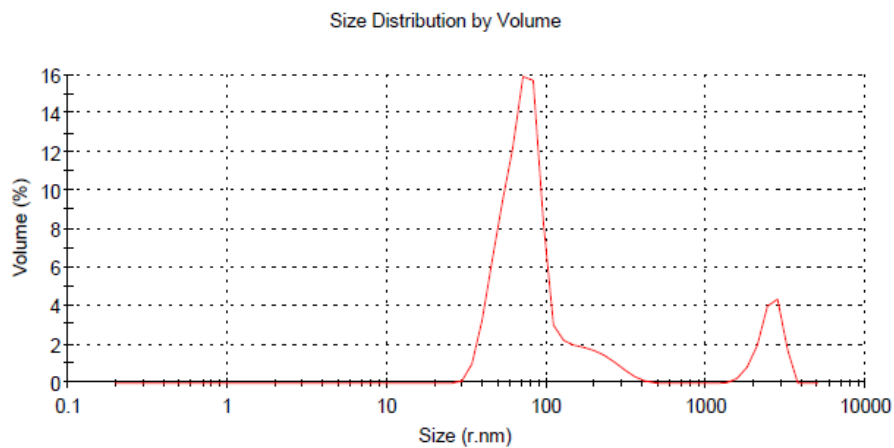
Intercept: 0.952



Concentration: 0.4 mgmL⁻¹

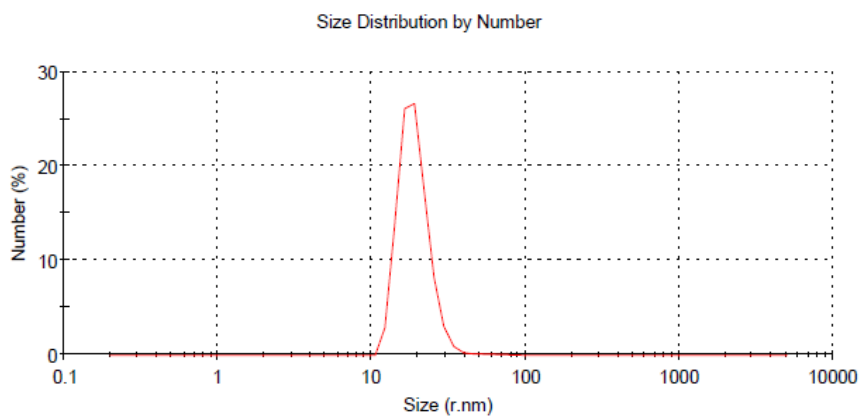


Pdl: 0.301
Intercept: 0.942

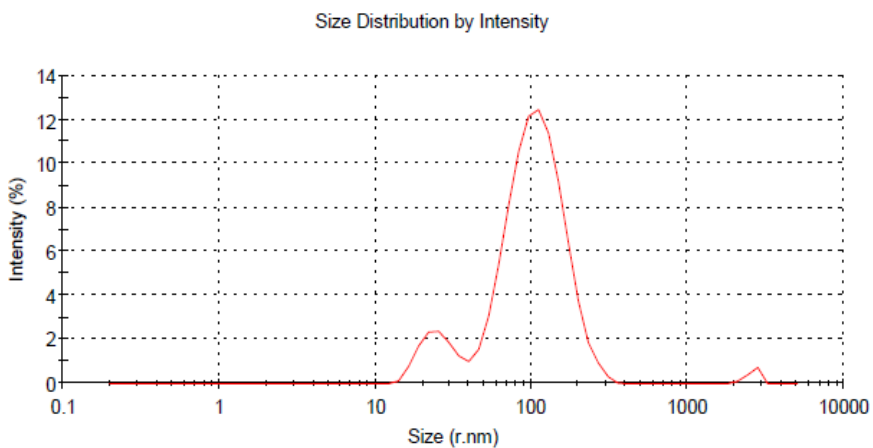
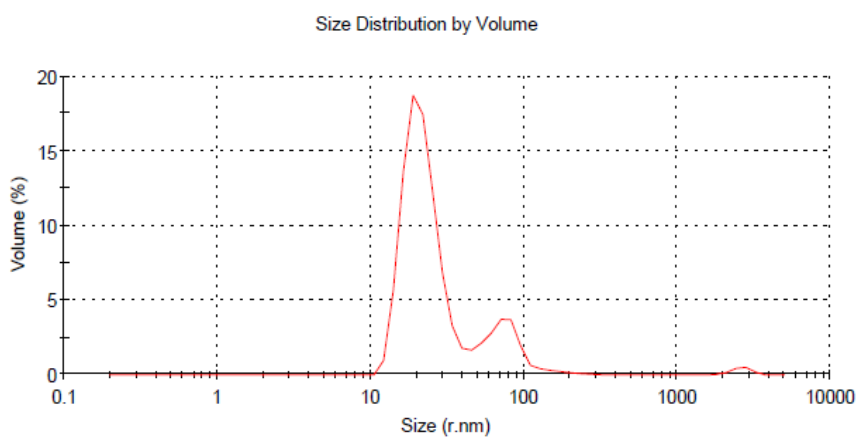


N-Methyl-2(S)-(3'β-acetoxy-17'-chloro-5α-androstan-16-en-2-yl)pyrrolidino[3,4:1,2][60]fullerene (**IIb**)

Concentration: 0.1 mgmL⁻¹



Pdl: 0.393
Intercept: 0.940



Concentration: 0.4 mgmL^{-1}

