

Structure and antiradical activity of *N*-monosubstituted amino acid derivatives of fullerene C₆₀ in aqueous colloidal solutions

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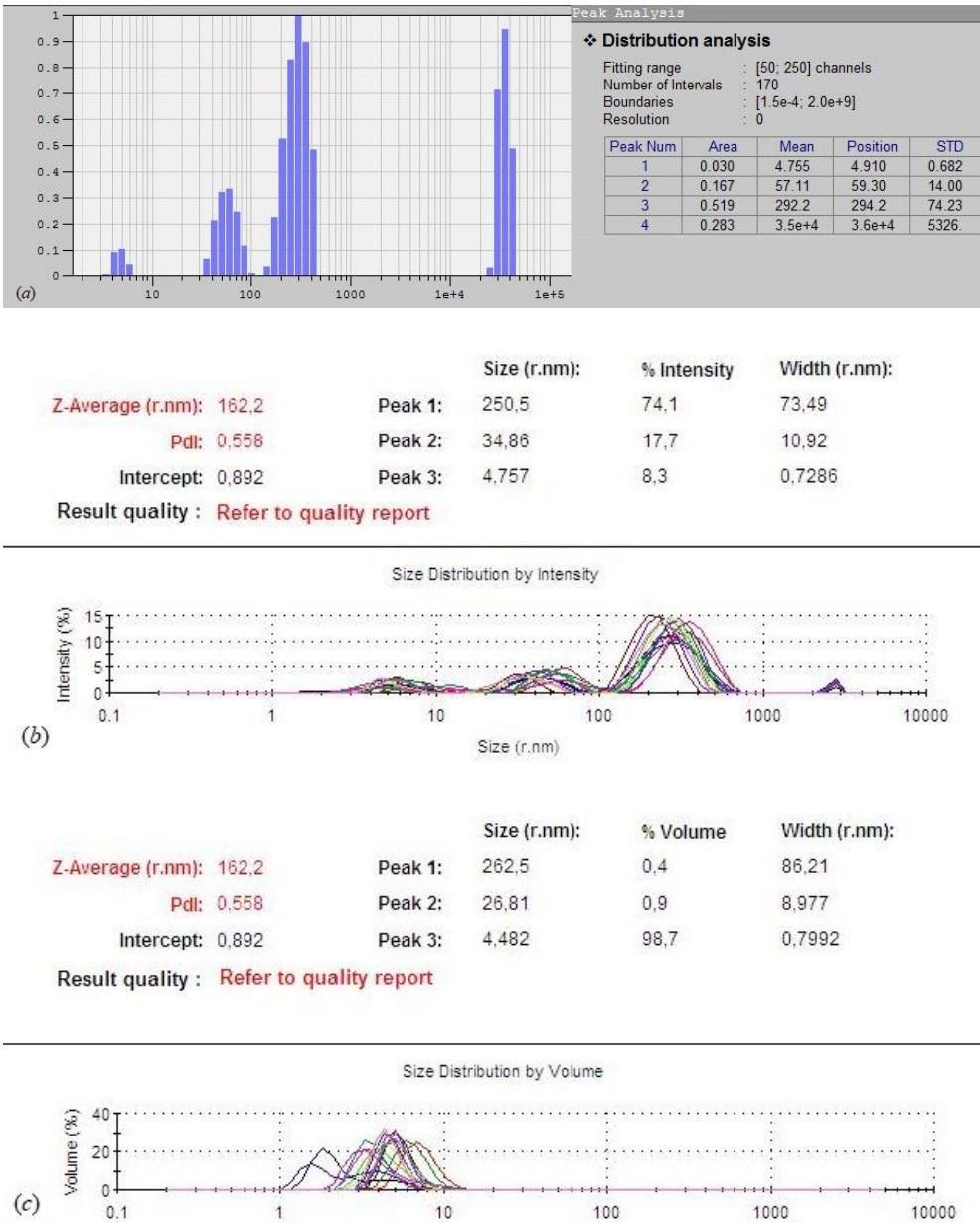


Figure S1 Distribution of hydrodynamic radius of nanoparticles in aqueous solution of 10⁻⁴ M H-C₆₀-L-Ala-OK obtained by DLS: (a) Photocor Compact-Z (Russia), (b) Malvern Zetasizer Nano ZS (UK), (c) conversion of the distribution of scattering intensities into the distribution by volume fraction of nanoparticles (Malvern Zetasizer Nano ZS).

Table S1 Dimensional characteristics of nanoparticles of fullerene C₆₀ and its *N*-monosubstituted amino acid derivatives in aqueous colloidal solutions obtained by the DLS method.

Sample no.	Formula	Photocor Compact-Z, 90°	Malvern Zetasizer Nano ZS, 173°
1	C ₆₀	80.10 ± 12.25	54.94 ± 22.74
2	H-C ₆₀ -L-Ala-OK (synthesis 1)	4.76 ± 0.68	4.48 ± 0.80
3	H-C ₆₀ -L-Ala-OK (synthesis 2)	20.25 ± 1.94	80.54 ± 45.28
4	H-C ₆₀ -D-Ala-OK (synthesis 1)	1.56 ± 0.29	2.90 ± 0.95
5	H-C ₆₀ -D-Ala-OK (synthesis 2)	138.90 ± 27.41	182.7 ± 100.3
6	H-C ₆₀ -D-Ala-OK (synthesis 3)	21.91 ± 2.17	7.41 ± 2.46
7	H-C ₆₀ -L-Val-OK	168.4 ± 86.22	138.7 ± 54.84
8	H-C ₆₀ -D-Val-OK	84.90 ± 14.37	72.32 ± 38.75
9	H-C ₆₀ -L-Asp-(OK) ₂	123.90 ± 17.07	146.8 ± 101.3
10	H-C ₆₀ -D-Asp-(OK) ₂	99.08 ± 15.31	-
11	H-C ₆₀ -γ-GABA-OK	7.17 ± 1.02	5.03 ± 1.30
12	H-C ₆₀ -ε-ACA-OK	45.19 ± 4.51	6.80 ± 3.54