

Graphene Quantum Dots for the Inhibition of β Amyloid Aggregation

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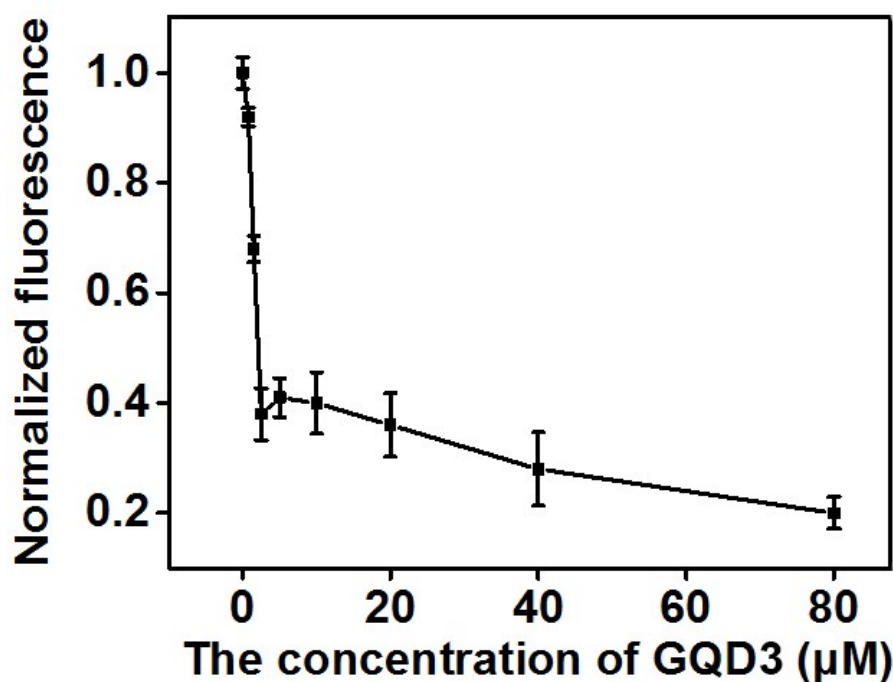


Figure S1. Dose-dependent inhibition of A β 1-42 fibrillization by GQD3. The excitation wave-length was 450 nm, and the emission intensity at 490 nm was used for analysis.

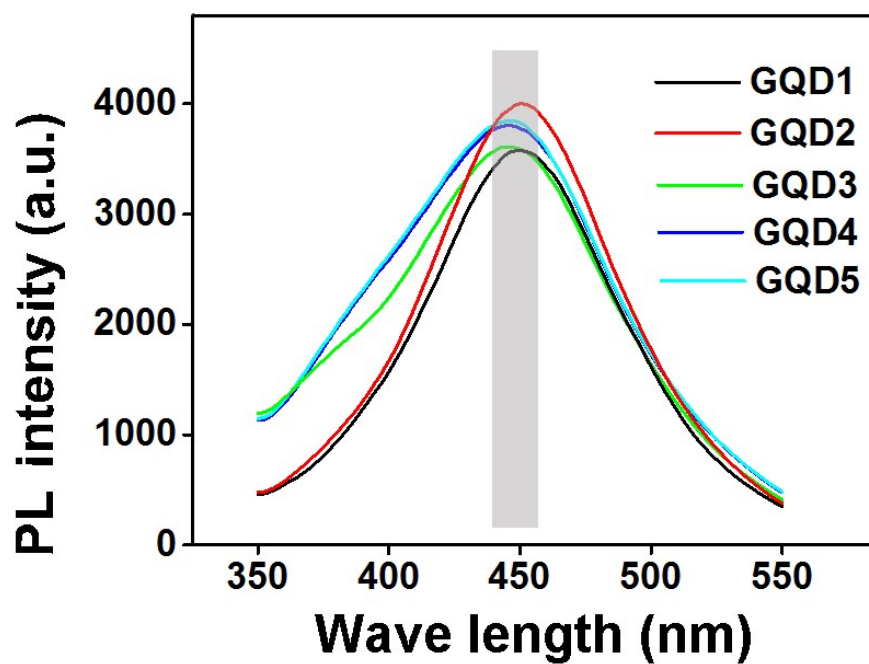


Figure S2. The photoluminescence spectra of five kinds of GQDs with different charges in water/ethanol.

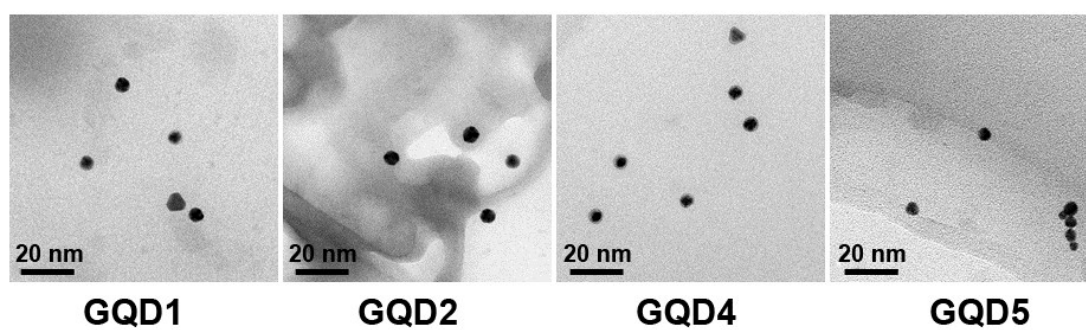


Figure S3. TEM images of GQD1, GQD2, GQD4 and GQD5.

Table S1. The IC₅₀ values of some reported Aβ1-42 or Aβ1-40 inhibitors

Inhibitor	IC ₅₀ (μM)	Assay method	Reference
Benzofurans	8-48	Immunoassay	[45]
HMP	20	Immunoassay	[46]
Melatonin	20	Th T fluorescence	[47]
K ₈ [P ₂ CoW ₁₇ O ₆₁]	16	Th T fluorescence	[48]
Fullerene	9	Th T fluorescence	[21]
GQDs	8	Th T fluorescence	This work