

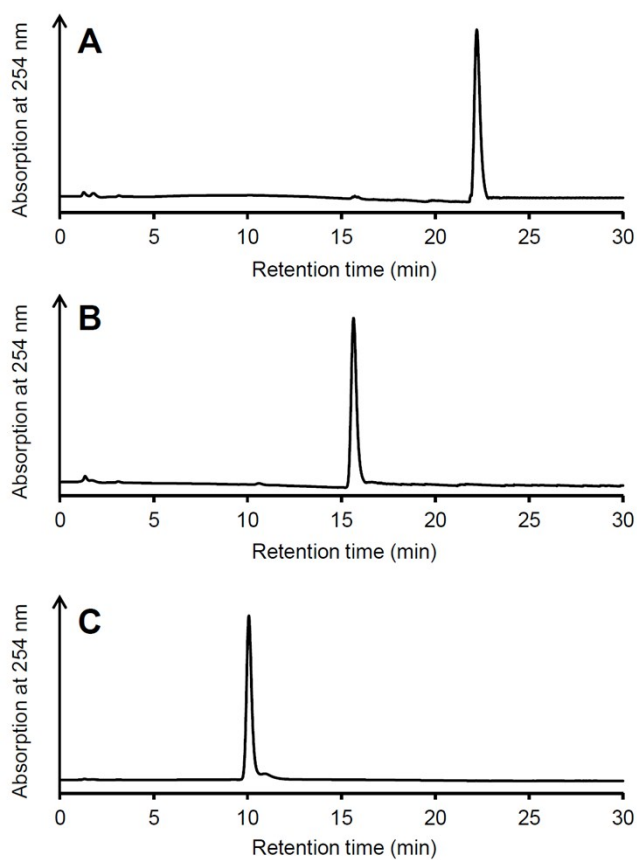
**SUPPLEMENTARY INFORMATION**

**Synthesis and Biological Evaluation of Novel Technetium-99m-Labeled  
Phenylquinoxaline Derivatives as Single Photon Emission Computed Tomography  
Imaging Probes Targeting  $\beta$ -Amyloid Plaques in Alzheimer's Disease.**

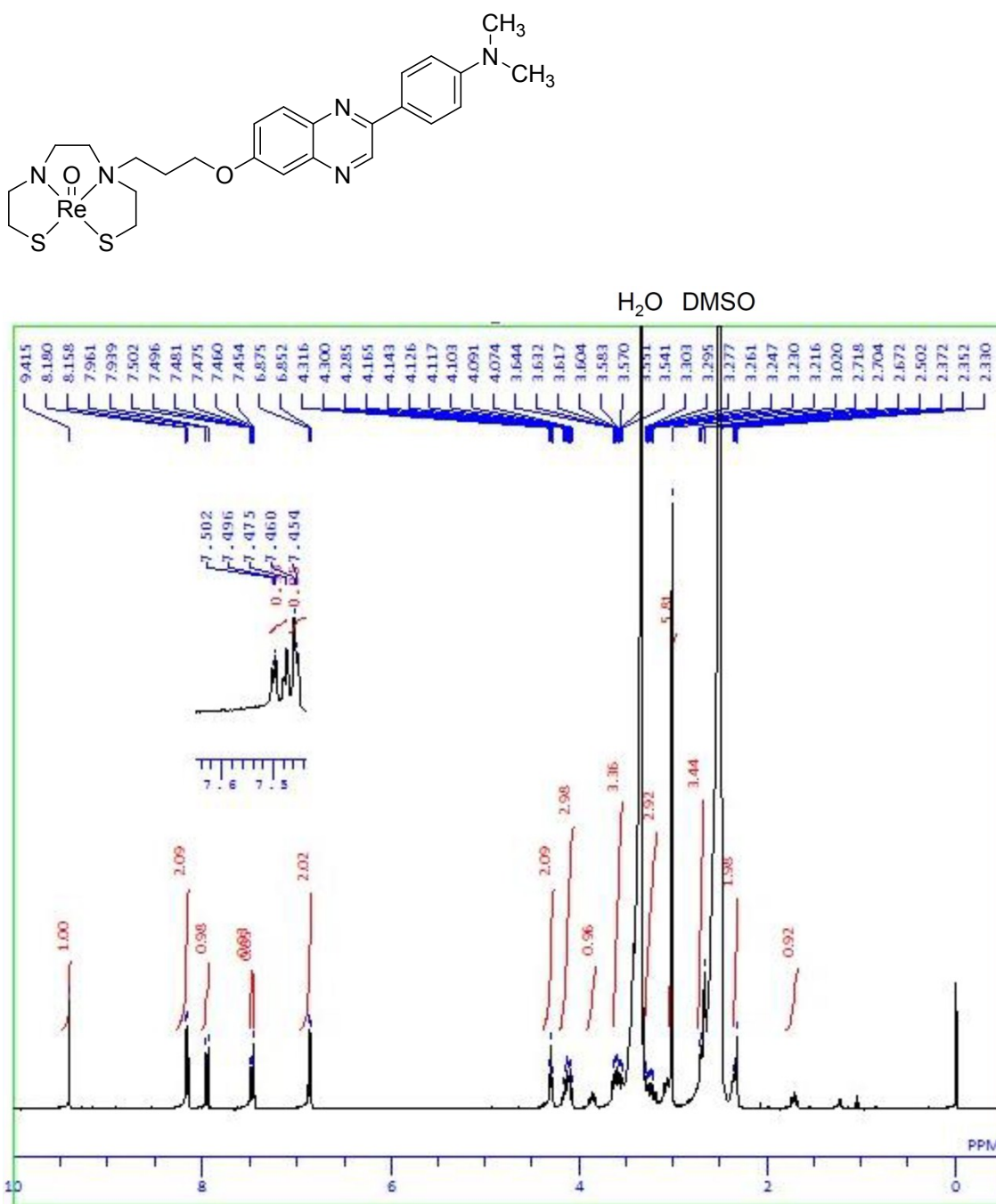
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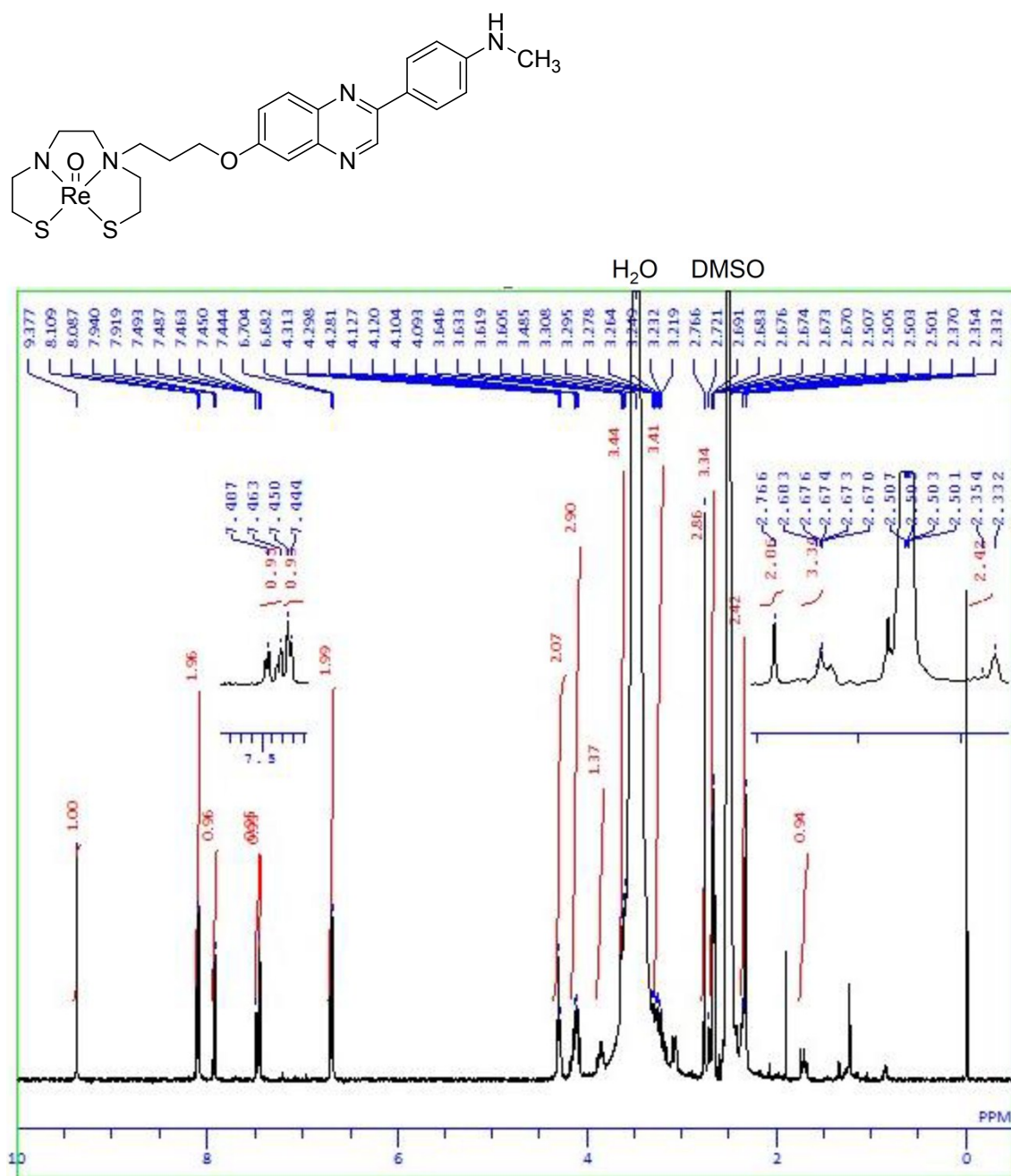


**Supplementary Figure S1.** Typical HPLC profiles of Re-BAT-C3-PQ-1 (A), Re-BAT-C3-PQ-2 (B), and Re-BAT-C3-PQ-3 (C). The analyses are performed on a Cosmosil C<sub>18</sub> column (5C<sub>18</sub>-AR-II, 4.6 × 150 mm) with a solvent of H<sub>2</sub>O/MeCN [11:9 (0 min) to 1:3 (30 min)] as the mobile phase at a flow rate of 1 mL/min.



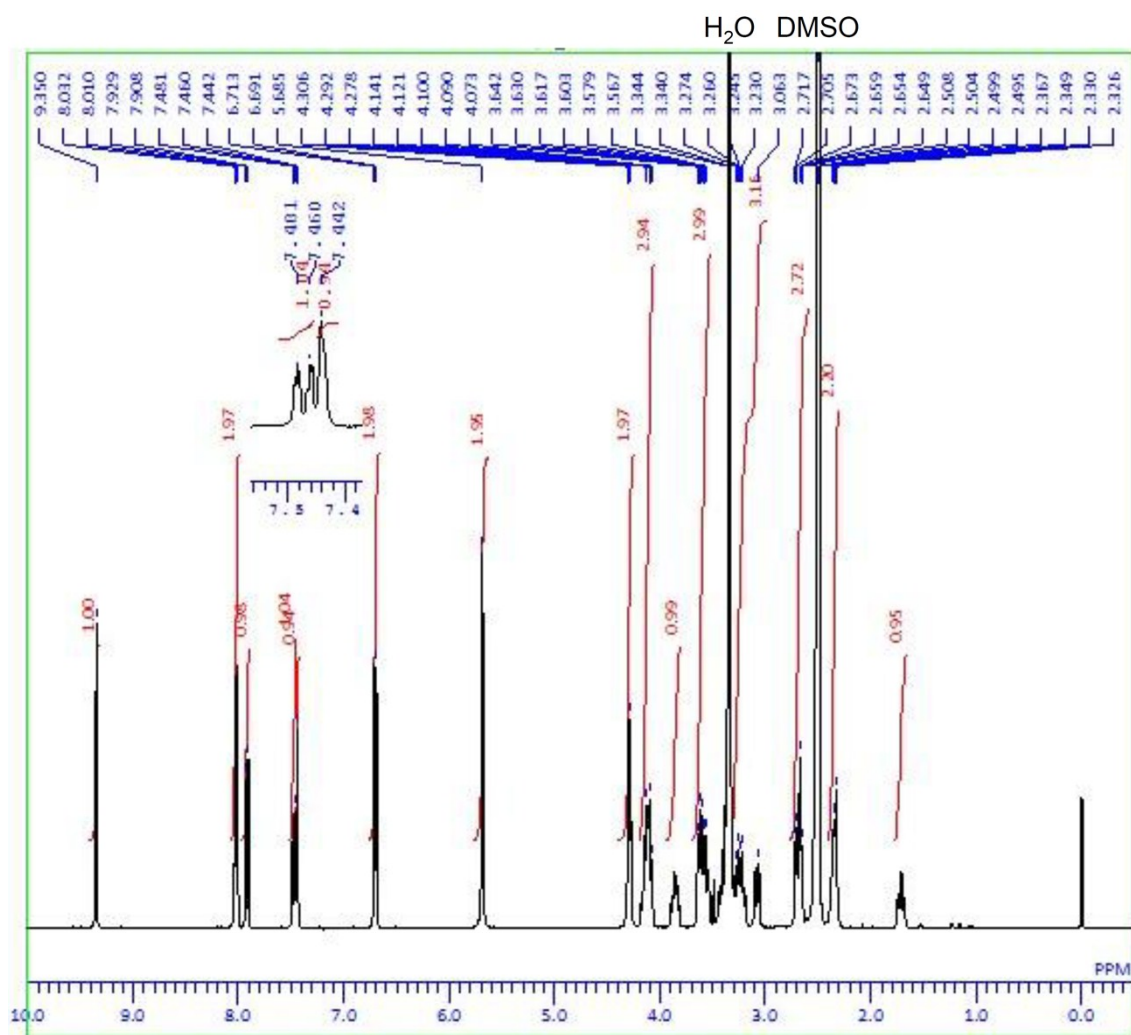
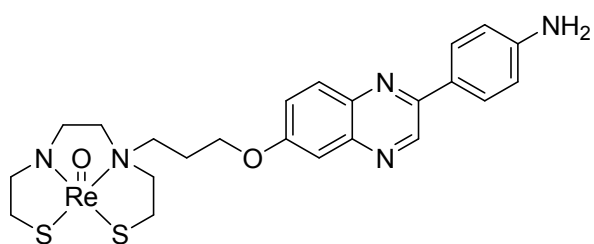
**Supplementary Figure S2.** Chemical structure and <sup>1</sup>H NMR spectra for compound 9

(Re-BAT-C3-PQ-1).



**Supplementary Figure S3.** Chemical structure and  $^1\text{H}$  NMR spectra for compound 10

(Re-BAT-C3-PQ-2).



**Supplementary Figure S4.** Chemical structure and <sup>1</sup>H NMR spectra for compound 13

(Re-BAT-C3-PQ-3).