Serum preparation: A total of 400  $\mu$ L of serum was combined with 200  $\mu$ L of PBS/D<sub>2</sub>O buffer (pH 7.4, containing 0.9% NaCl) using vortexing to ensure thorough mixing. The resulting mixture was then centrifuged at 10,000 rpm for 10 min at 4°C. Finally, the supernatant, which amounted to 550  $\mu$ L, was carefully transferred into a 5 mm NMR tube for further analysis.