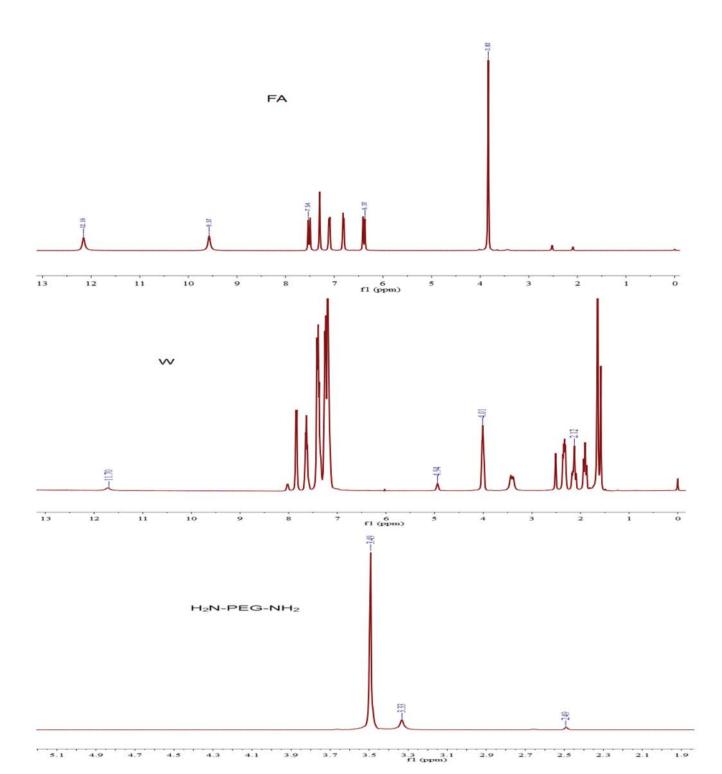
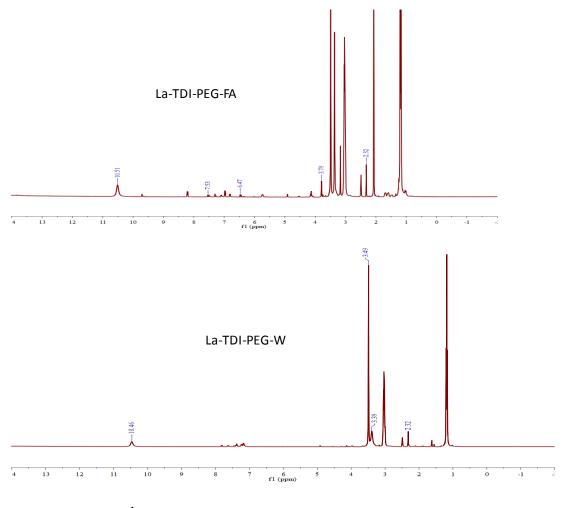
## Synthesis and Investigation of Water-soluble Anticoagulant

# Warfarin/Ferulic Acid grafted Rare Earth oxides

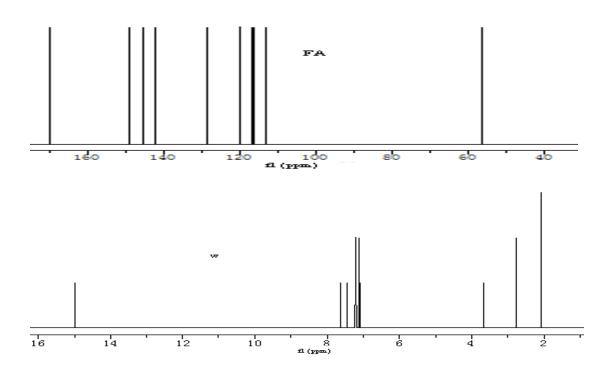
## Nanoparticles Materials

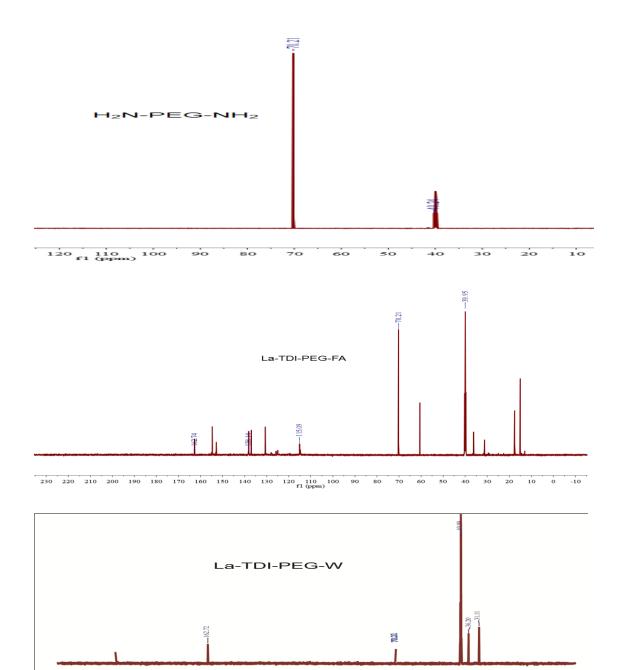
#### **Supporting Materials**





<sup>1</sup>H NMR of warfarin, ferulic acid and their compounds





230 220 210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 -10 fl (ppm)

#### $^{\rm 13}{\rm C}\,{\rm NMR}$ of warfarin, ferulic acid and their compounds