

Supporting Information

Insulin Smart Drug Delivery Nanoparticles of Aminophenylboronic acid–POSS Molecule at Neutral pH

Won jung Kim¹, Yong Jin Kwon², Sang Kyu Ye^{2,}, Kyu oh Kim^{1,*}*

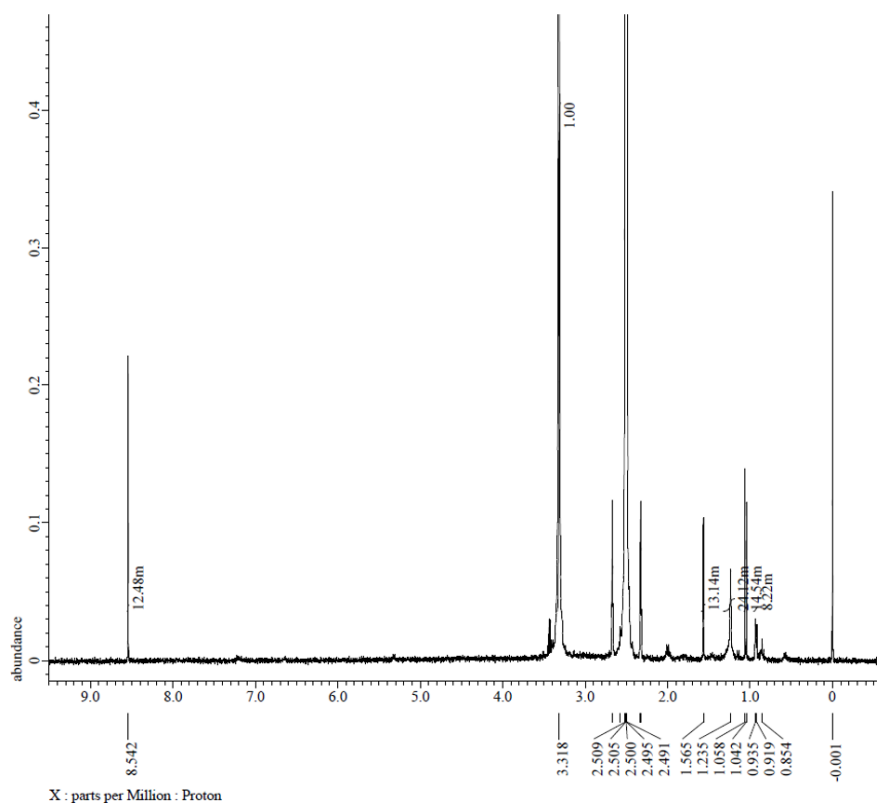
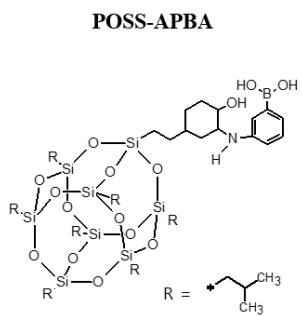
¹Department of Fiber-system Engineering, Dankook University, 152, Jookjeon-ro, Suji-gu, Yongin-si, Gyeonggi-do, 448-701, Republic of Korea

²Departments of Pharmacology, Seoul National University College of Medicine,

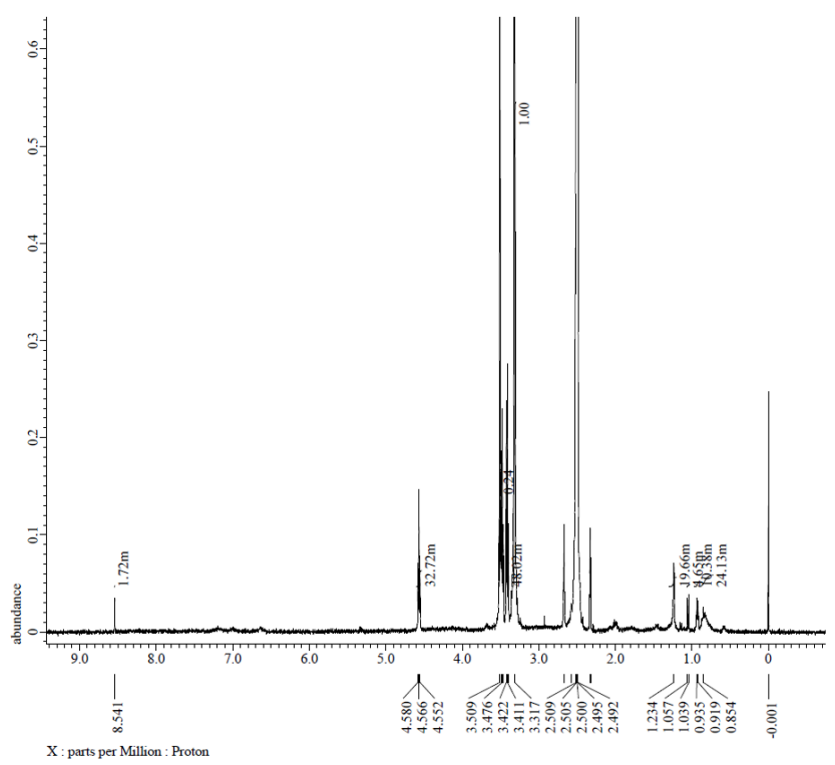
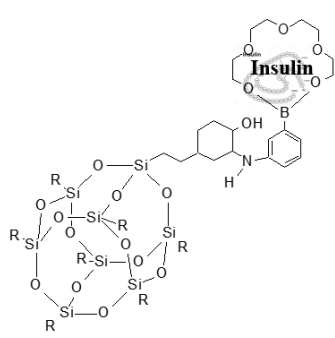
*Corresponding author with contact details:

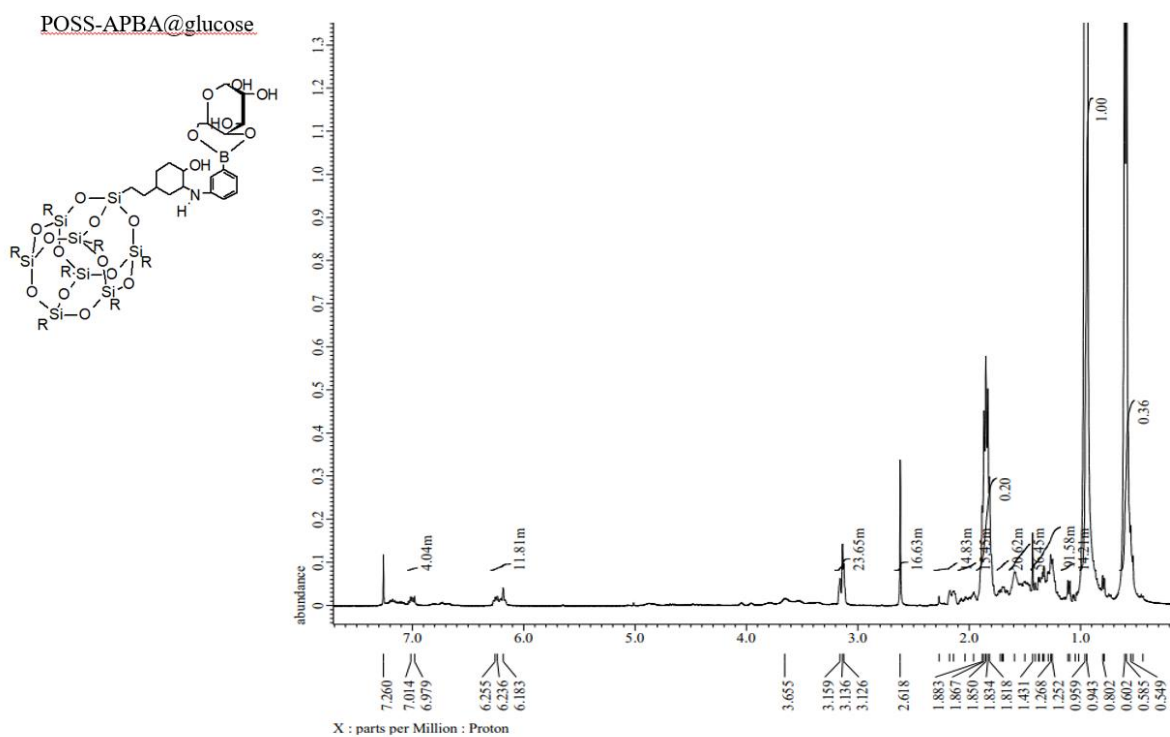
• E-mail address: affablekim@gmail.com (K.O. KIM) ; sangkyu@snu.ac.kr (S.K.Ye)

• Tel.: +82 31 8005 3561; Fax: +82 31 8005 3564

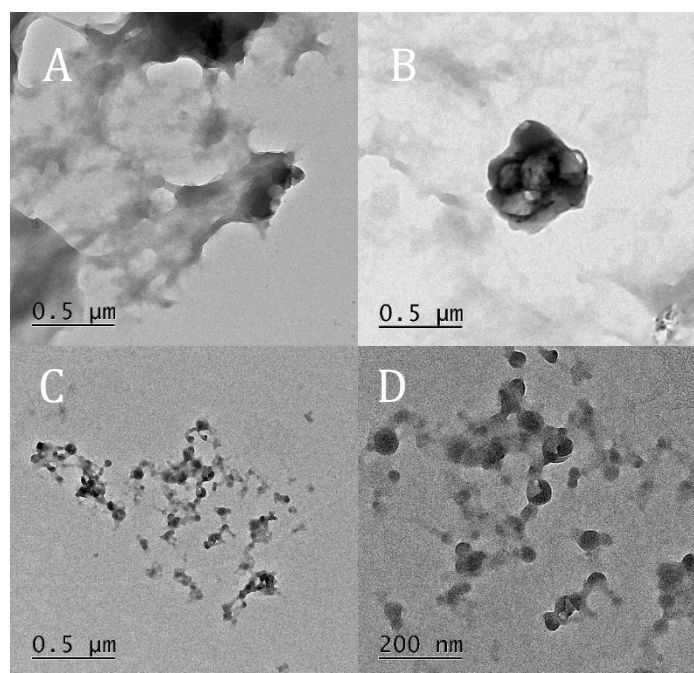


POSS-APBA@Insulin

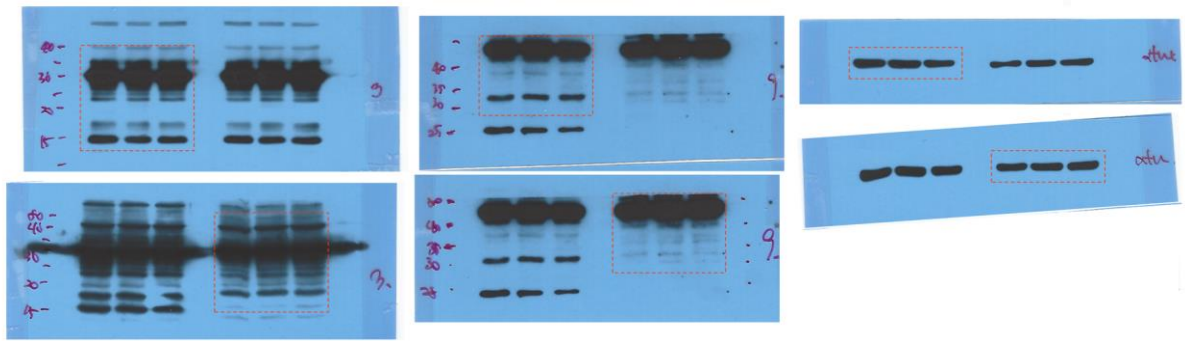




Supporting Information 1. ¹H-NMR spectra: POSS-APBA, POSS-APBA @Insulin, POSS-APBA @glucose spectrum.



Supporting Information 2. TEM images of POSS-APBA@Insulin (A)(B), POSS-APBA@glucose after releasing Insulin (C)(D).



Supporting Information 3. Full-length blots in Figure 6(d). The red dotted lines are the main figures.