Nootropic nanocomplex with enhanced blood-brain barrier permeability for treatment of traumatic brain injury-associated neurodegeneration

Jeongmin Park, Eunshil Choi, Seulgi Shin, Sungsu Lim, Dohee Kim, Suji Baek, Kang Pa Lee, Jae Jun Lee, Byeong Han Lee, Bokyung Kim, Keunsoo Jeong, Ja-Hyun Baik, Yun Kyung Kim, Sehoon Kim

PII: S0168-3659(18)30369-9
DOI: doi:10.1016/j.jconrel.2018.06.021
Reference: COREL 9345

To appear in: *Journal of Controlled Release*

Received date: 9 April 2018
Revised date: 11 June 2018
Accepted date: 14 June 2018

Please cite this article as: Jeongmin Park, Eunshil Choi, Seulgi Shin, Sungsu Lim, Dohee Kim, Suji Baek, Kang Pa Lee, Jae Jun Lee, Byeong Han Lee, Bokyung Kim, Keunsoo Jeong, Ja-Hyun Baik, Yun Kyung Kim, Sehoon Kim , Nootropic nanocomplex with enhanced blood-brain barrier permeability for treatment of traumatic brain injury-associated neurodegeneration. Corel (2018), doi:10.1016/j.jconrel.2018.06.021

Nootropic nanocomplex with enhanced blood-brain barrier permeability for treatment of traumatic brain injury-associated neurodegeneration

Jeongmin Park[a,e,†], Eunshil Choi[a,†], Seulgi Shin[b], Sungsu Lim[b], Dohee Kim[b], Suji Baek[f], Kang Pa Lee[f], Jae Jun Lee[g], Byeong Han Lee[g], Bokyung Kim[f], Keunsoo Jeong[a]*, Ja-Hyun Baik[e], Yun Kyung Kim[b,c,]*, Sehoon Kim[a,c,d,]*

[a] Center for Theragnosis, Korea Institute of Science and Technology, Seoul 02792, Korea

[b] Convergence Research Center for Diagnosis, Treatment and Care System of Dementia, Korea Institute of Science and Technology, Seoul 02792, Korea

[c] Division of Bio-Medical Science & Technology, KIST School, Korea University of Science and Technology (UST), Seoul 02792, Korea

[d] KU-KIST Graduate School of Converging Science and Technology, Korea University, Seoul 02841, Korea

[e] Department of Life Sciences, School of Life Sciences and Biotechnology, Korea University, Seoul 02841, Korea

[f] Department of Physiology, School of Medicine, Konkuk University, 120 Neungdong-ro, Gwangjin-gu, Seoul 05029, Korea

[g] Laboratory Animal Center, Osong Medical Innovation Foundation, 123 Osongsaengmyeong-ro, Chungbuk 28160, Korea

* Corresponding author.

E-mail address: sehoonkim@kist.re.kr (S. Kim), yunkyungkim@kist.re.kr (Y. K. Kim), jkeunsoo1@gmail.com (K. Jeong)

† These authors contributed equally to this work.