

Supplementary Information

Acute effects of pulmonary exposure to zinc oxide nanoparticles on brain in vivo

Hsiao-Chi Chuang^{1,2,3}, Yu-Ting Yang⁴, Hsin-Chang Chen⁵, Yaw-Huei Hwang^{4,6}, Kuen-Yuh Wu⁴, Ta-Fu Chen⁷, Chia-Ling Chen¹, Ming-Kai Jhan^{8,9}, Tsun-Jen Cheng^{4,5*}

¹*School of Respiratory Therapy, College of Medicine, Taipei Medical University, Taipei, Taiwan*

²*Cell Physiology and Molecular Image Research Center, Wan Fang Hospital, Taipei Medical University, Taipei, Taiwan*

³*Division of Pulmonary Medicine, Department of Internal Medicine, Shuang Ho Hospital, Taipei Medical University, New Taipei City, Taiwan*

⁴*Institute of Occupational Medicine and Industrial Hygiene, College of Public Health, National Taiwan University, Taipei, Taiwan*

⁵*Institute of Food Safety and Health, College of Public Health, National Taiwan University, Taipei, Taiwan*

⁶*Department of Public Health, College of Public Health, National Taiwan University, Taipei, Taiwan*

⁷*Department of Neurology, National Taiwan University Hospital, College of Medicine, National Taiwan University, Taipei, Taiwan*

⁸*Graduate Institute of Medical Sciences, College of Medicine, Taipei Medical University, Taipei, Taiwan*

⁹*Department of Microbiology and Immunology, School of Medicine, College of Medicine, Taipei Medical University, Taipei, Taiwan*

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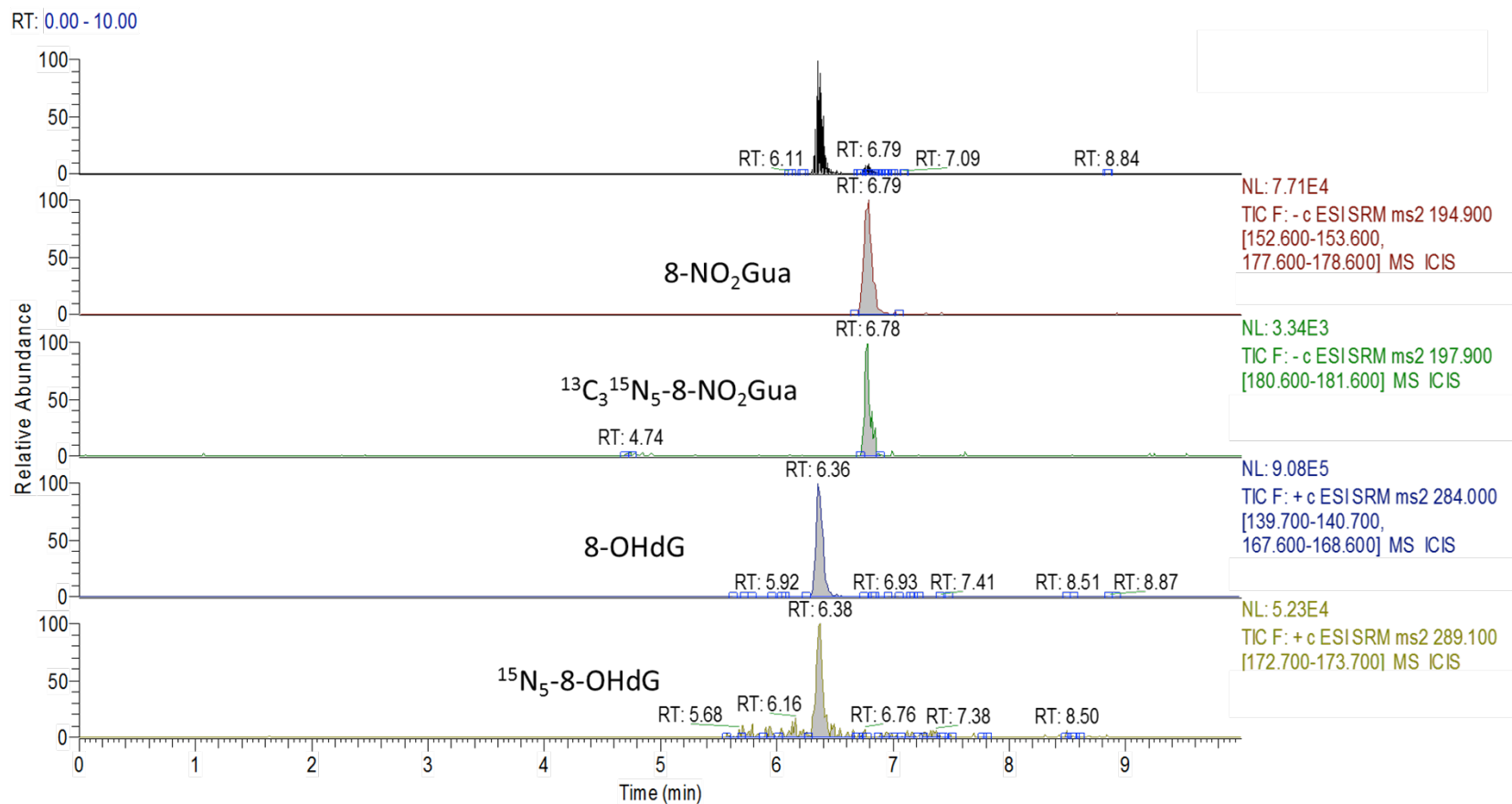


Figure S1. Spectrums of 8-NO₂Gua, ¹³C₃¹⁵N₅-8-NG, 8-OHdG and ¹⁵N₅-8-OHdG analysed by LC-MS/MS.

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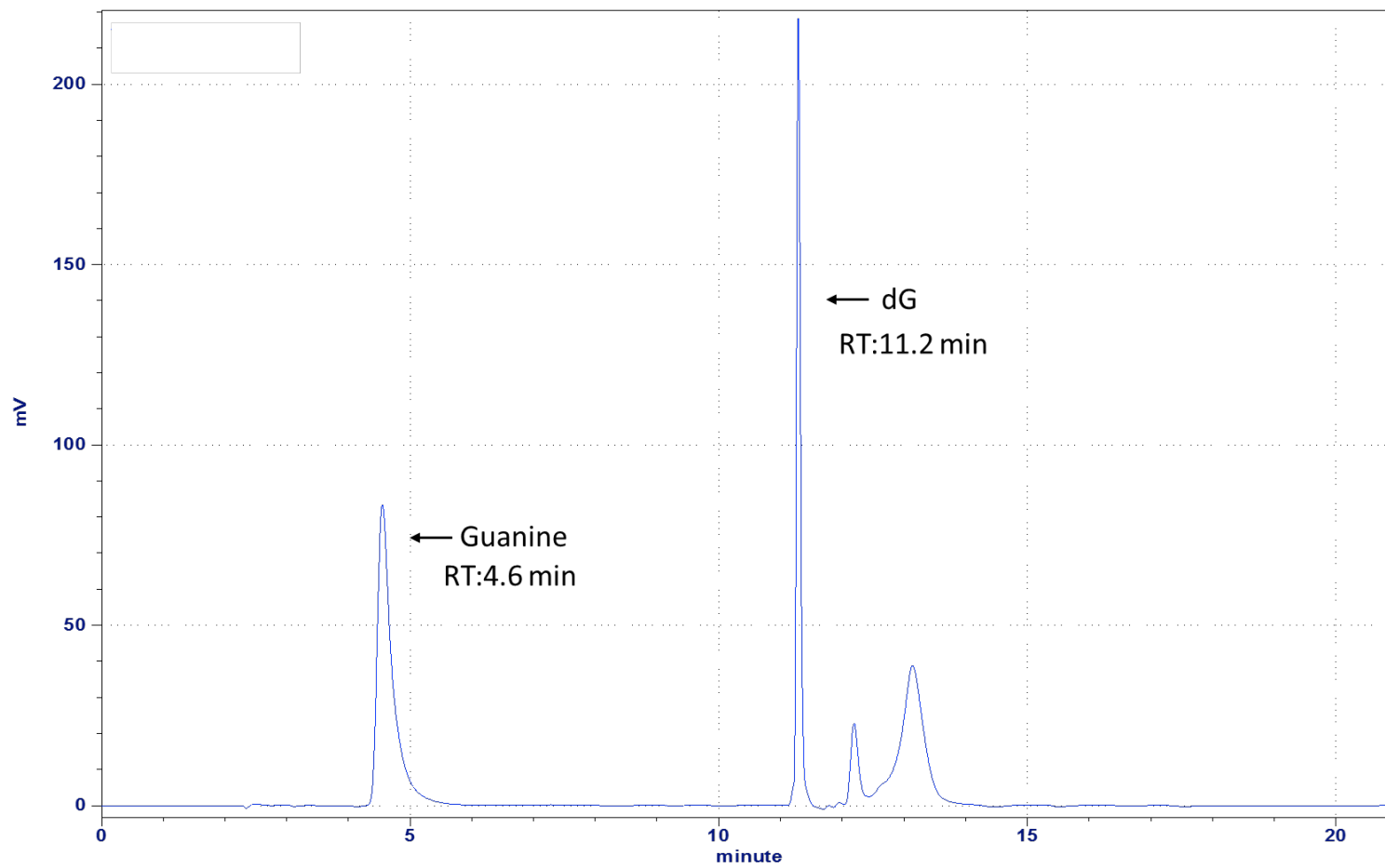
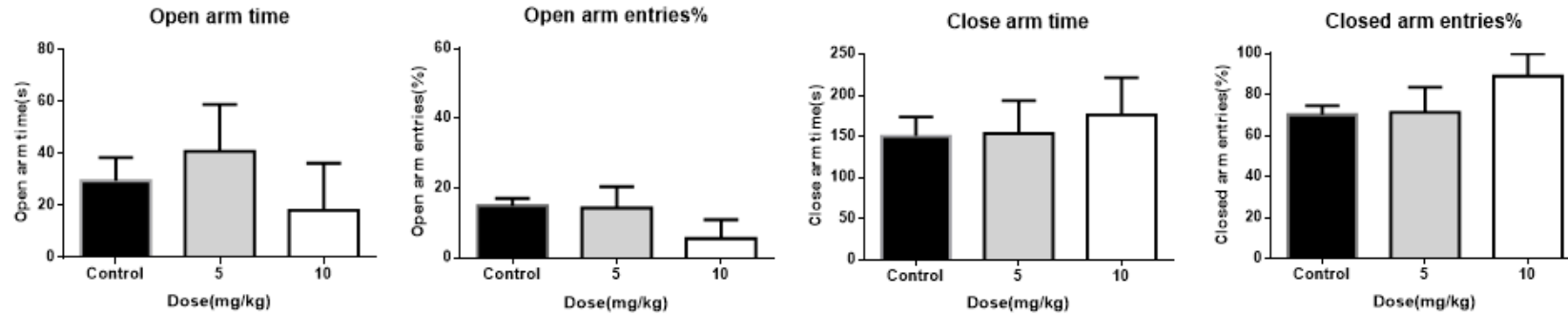


Figure S2. Spectrums of dG and guanine analysed by HPLC-UV.

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Day 1



Day 5

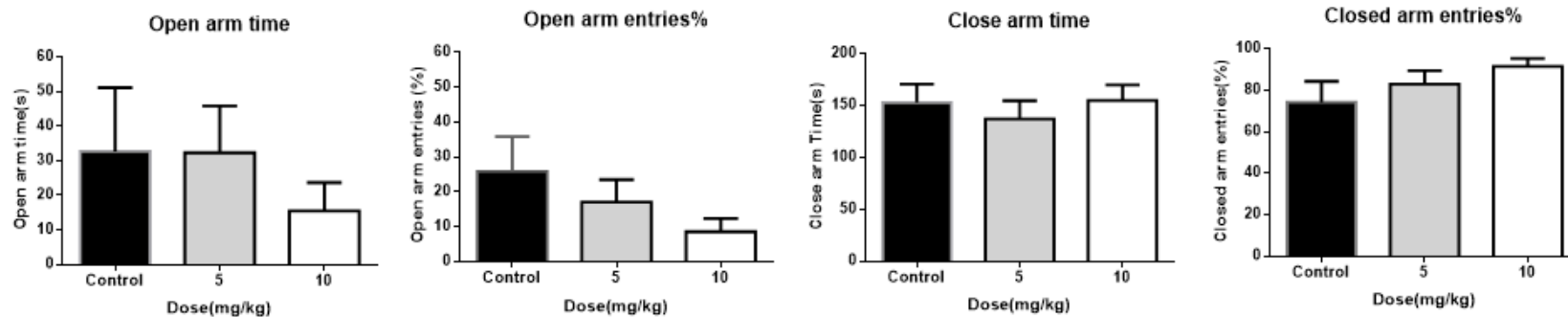


Figure S3. The elevated-plus maze for examination of anxiety on days 1 and 5 after exposure to control, and 5 and 10 mg/kg zinc oxide nanoparticles (ZnONPs). There were no significant differences in the open-arm time, open-arm entries (%), closed-arm time, or closed-arm entries (%) after ZnONP exposure on days 1 and 5.