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## **Supporting Information**

## Neuroinflammation-targeted magnetic resonance imaging nanoprobes for early diagnosis of Alzheimer's disease

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Fig.S1 Analysis of CD137 gene expression results in alzdata database



Fig.S2 Temporal evolutions of the radius of pegylated NaGdF4 nanoparticles in water



Fig.S3 Cytotoxicity study of different concentrations of NP@angiopep-2/CD137 on BV2 cells



Fig.S4 Cytotoxicity study of different concentrations of NP@angiopep-2/CD137 on U87 cells



Fig.S5 Cytotoxicity study of different concentrations of NP@angiopep-2/CD137 on SH-SY5Y cells