Novel System for Effective Delivery to the Brain

OCR Number: OCR 6552

Description:

Novel System for Delivery of Therapeutic & Imagining Agents Across the Blood-Brain Barrier

- A novel compositions for effective, non-invasive and systemic delivery of therapeutic and imaging agents to brain tumors.

- This system contains three components: a tumor targeting moiety; a BBB opener; and a nanomaterial. It has demonstrated unprecedented efficiency in breaking the BBB to allow delivery of pharmacologically significant quantities of therapeutic and imaging agents to brain cancer (Figure).

- The applications of this technology can be extended to the treatment of other neurological diseases, including brain injury and stroke.

PI: Jiangbing Zhou

Licensing Contact: Hong Peng
hong.peng@yale.edu