

Download Drug Transport Across The Blood-brain Barrier : In-vitro And In-vivo Techniques

For citation purposes: Shityakov S, Salvador E, Förster C. In silico, in vitro and in vivo methods to analyse drug permeation across the blood brain barrier: A critical review. The blood–brain barrier (BBB) is a vital boundary between neural tissue and circulating blood. The BBB's unique and protective features control brain homeostasis as well as ion and molecule movement. Delivery of large molecule drugs across the blood brain barrier is increasingly being seen as an achievable goal. Several technologies have been described where following peripheral administration the molecules can be detected in the brain. How to cite this article: Yong KT, Wang Y, Roy I, Rui H, Swihart MT, Law WC, Kwak SK, Ye L, Liu J, Mahajan SD, Reynolds JL. Preparation of Quantum Dot/Drug Nanoparticle Formulations for Traceable Targeted Delivery and Therapy.