Nabriva initiates Phase II of pleuromutilin antibiotic BC-3781
First patient enrolled in Phase II study of BC-3781 in patients with acute bacterial skin and skin structure infections (ABSSSI)

03.06.2010 - Nabriva Therapeutics announced that the first patients have been enrolled in a Phase II clinical trial of BC-3781 in acute bacterial skin and skin structure infections. BC-3781 is a pleuromutilin antibiotic being developed for the treatment of bacterial diseases such as skin and skin structure infections and pneumonia.

The Phase II clinical study is a double blind study with two doses of BC-3781, using vancomycin as a comparator and designed to establish safety, tolerability and efficacy of BC-3781. BC-3781 is being administered intravenously in this study. The study will enroll 210 patients and will be conducted in 20-25 sites in the USA.

Dr William Prince, CMO Nabriva Therapeutics commented: “This is the first patient study with a systemic pleuromutilin. It will be an important proof of concept for an exciting new class of antibiotics. The phase II study builds on our extensive preclinical and phase I data which have demonstrated that BC-3781 can achieve therapeutically relevant blood and tissue levels in man with excellent tolerability when administered by either oral or intravenous routes.”

BC-3781 is highly active against key pathogens, including MRSA, associated with skin infections and community and hospital acquired pneumonia and is more potent than Linezolid and vancomycin. The compound’s novel mode of action ensures that it overcomes resistance mechanisms affecting all approved classes of antibiotics. BC-3781 is the first pleuromutilin antibiotic to be developed for both oral and intravenous use in humans.