

Supplementary materials: Sustained-release powders based on polymer particles for pulmonary delivery of beclomethasone dipropionate in the treatment of lung inflammation

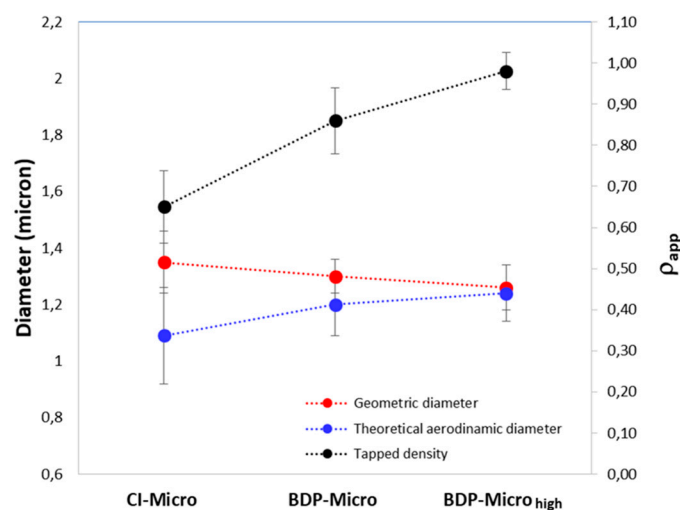


Figure S1. Values of tapped density (δ_{tapp}), mean geometric diameter (d_g), theoretical aerodynamic diameter (d_{aer}) of samples CI-Micro, BDP-Micro_{high}, and BDP-Micro.

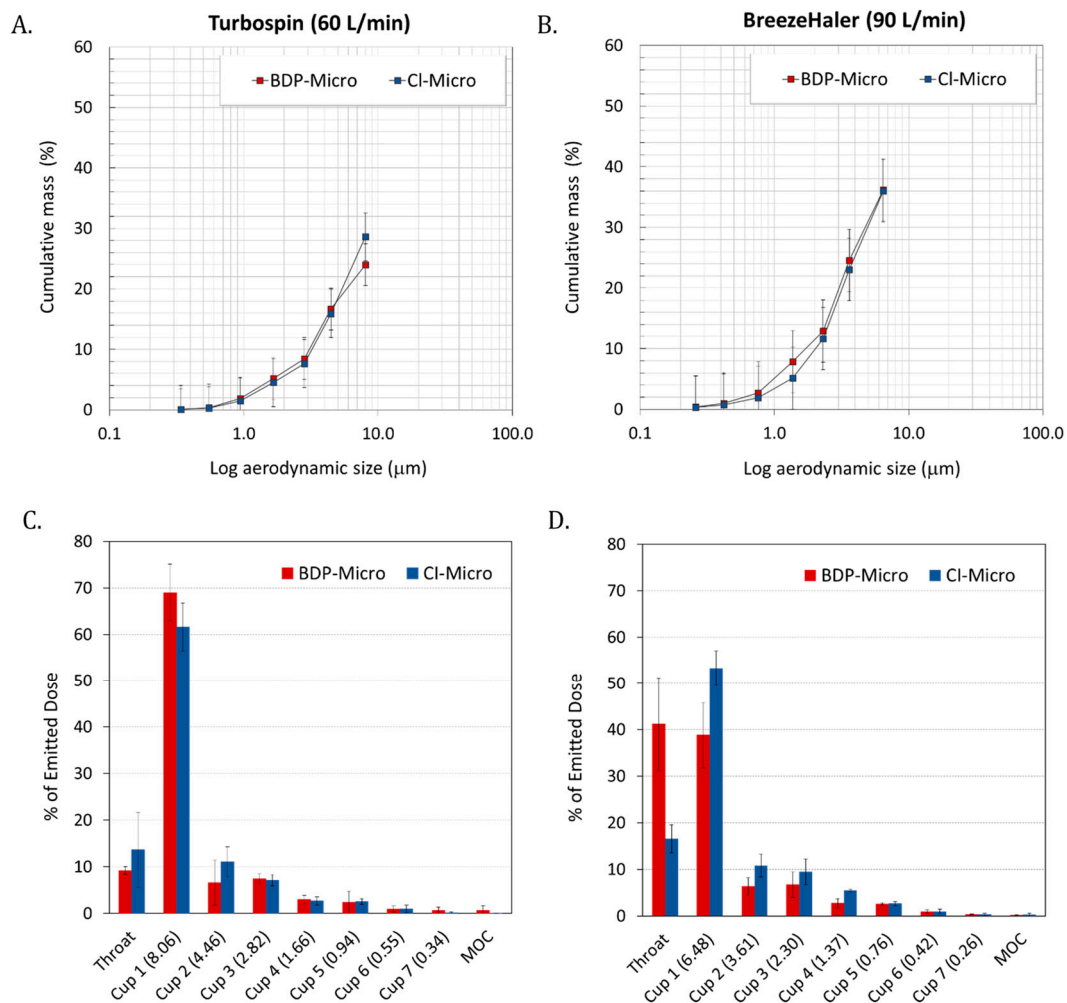


Figure S2. In vitro aerosol performance of BDP-Micro and CI-Micro upon delivery through Next Generation Impactor (NGI). The formulations were delivered the medium-resistance DPI Turbospin® (PH&T Pharma, Italy) and the low-resistance DPI Breezhaler® (RS01, Plastiapipe, Italy) at 60 and 90 L/min, respectively. (A,B) Cumulative mass recovered as a function of the cut-off diameter of the NGI; (C,D) NGI deposition pattern. Data are the mean \pm SD of values calculated on three different batches.