

Figure S1. Blood radioactivity concentrations (standardized uptake value, SUV) for (R)-[¹¹C]verapamil and [¹¹C]-N-desmethyl-loperamide in vehicle and tariquidar treated C57BL/6N wild-type mice determined at the end of the PET scan (i.e. at approximately 63 minutes after radiotracer injection).

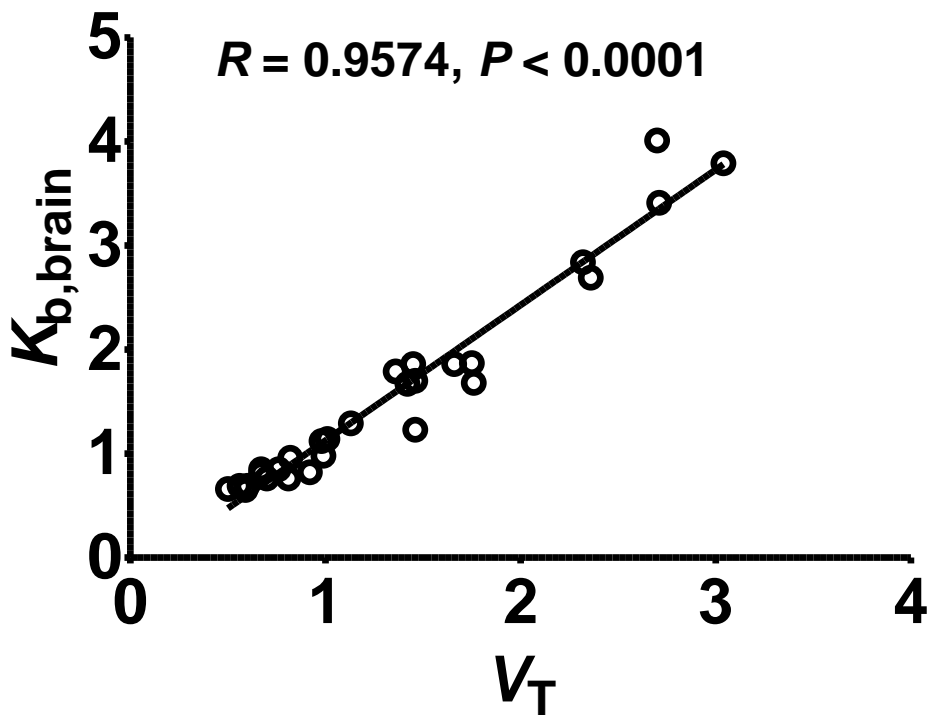


Figure S2. Correlation between brain-to-blood concentration ratio measured at the end of the PET scan (i.e. from 50 minutes to 60 minutes after radiotracer injection) ($K_{b,brain}$) and total distribution volume (V_T) in whole-brain gray matter obtained by using a 2-tissue 4-rate constant compartment model for (R)-[^{11}C]verapamil PET scans in healthy human volunteers without and with administration of different tariquidar doses (2-8 mg/kg body weight). R = Pearson correlation coefficient.