



*Ex vivo* biodistribution data for [ $^{18}\text{F}$ ] $\text{BF}_4^-$  in Balb/c mice 45 min post-injection at varying doses of  $\text{BF}_4^-$  ( $n = 3$  for each dose) showing data for all tissues. Uptake is shown as injected dose per gram tissue mass (%ID/g). Error bars represent 1 SD. Of note is the trend of increasing/plateauing thyroid and salivary gland uptake as  $\text{BF}_4^-$  dose (nmol/kg) decreases.