



Supplemental Figure. A, Synthesis of IBB

B, Radiosynthesis of $^{123/125}\text{I}$ -IBB

Compound 1: D-biotin, Compound 2: *N*-*t*Boc norbiotinamine, Compound 3: norbiotinamine, Compound 4: *m*-iodobenzoic acid, Compound 5: *N*-succinimidyl 3-iodobenzoate (SIB), Compound 6: (3-iodobenzoyl)norbiotinamine (IBB), Compound 7: *N*-succinimidyl 3-(tributylstannyl)benzoate.