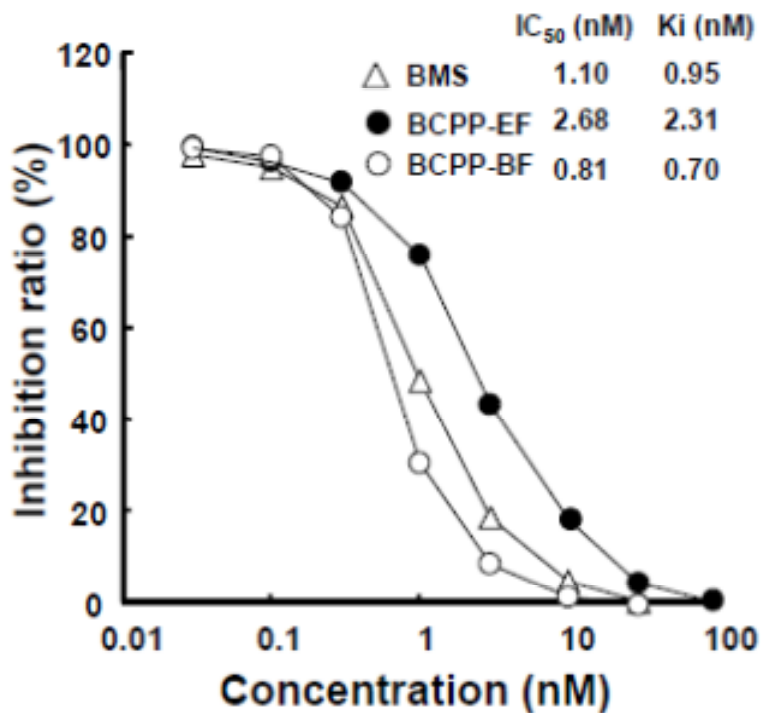
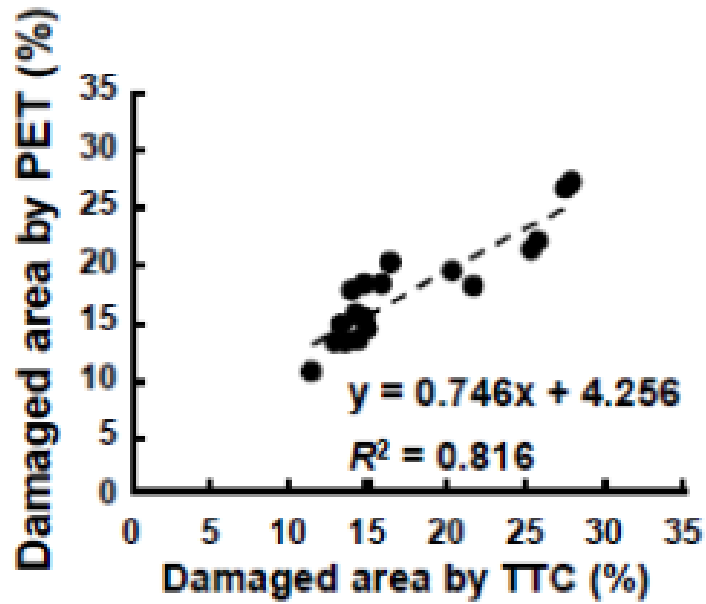


Supplemental Figure 1. Radiolabeling of ^{18}F -BCPP-EF (A), ^{18}F -BCPP-BF (B), and ^{18}F -BMS (C). Syntheses of precursors and standard compounds of ^{18}F -BCPP-EF and ^{18}F -BCPP-BF were conducted according to a previous report (19).



Supplemental Figure 2. Inhibition of specific binding of ³H-dihydrorotenone by BCPP-EF, BCPP-BF, and BMS in bovine cardiomyocyte submitochondrial particles (SMP). Specific binding of ³H-dihydrorotenone at each point was plotted against concentrations of each test compound to determine the 50% inhibition (IC₅₀) values, which were converted to the inhibition constant (Ki).



Supplemental Figure 3. Correlation analysis between the damaged areas determined by TTC staining and ^{18}F -BCPP-EF in the rat brains of PIT model. Brains were dissected at Day 1 for TTC staining after PET imaging with ^{18}F -BCPP-EF, and damaged areas detected by both methods were plotted.