Supplemental Figure Legends:

Figure 1: Representative thionin-stained coronal sections through NTS of a rat that was injected with 100% DMSO into the 4th ventricle 20 min before transcardial perfusion with PBS followed by 4% paraformaldehyde.

Figure 2: Representative images of coronal sections through NTS of rats that received 4^{th} -ventricle injection of either saline (A) or 66% DMSO and 3.4% hydroxypropyl-β cyclodextrin in sterile deionized water (B) prior to IP injection of 5 μg/kg amylin 90 min before transcardial perfusion with PBS followed by 4% paraformaldehyde. These sections were immunostained for dopamine betahydroxylase (DbH, green) and c-Fos (red). Rats treated with 4^{th} -icv DMSO had previously been in a behavioral study in which they received at least two 4^{th} -icv DMSO and SB334867 (dissolved in the DMSO vehicle) injections. DMSO treatment had no impact on DbH expression or c-Fos induction by amylin. DMV = dorsal motor nucleus of the vagus nerve.