

Supplementary Materials

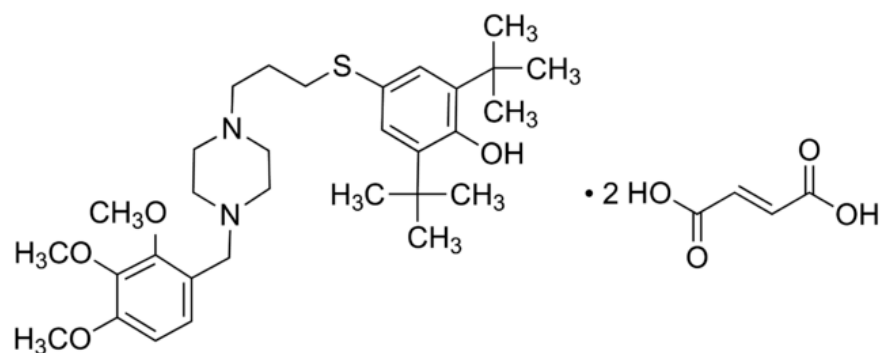


Figure S1. Structural formula of S-15176 N-[(3,5-Di-tert-butyl-4-hydroxy-1-thiophenyl)]-3-propyl-N'-(2,3,4-trimethoxybenzyl)piperazine difumarate salt.

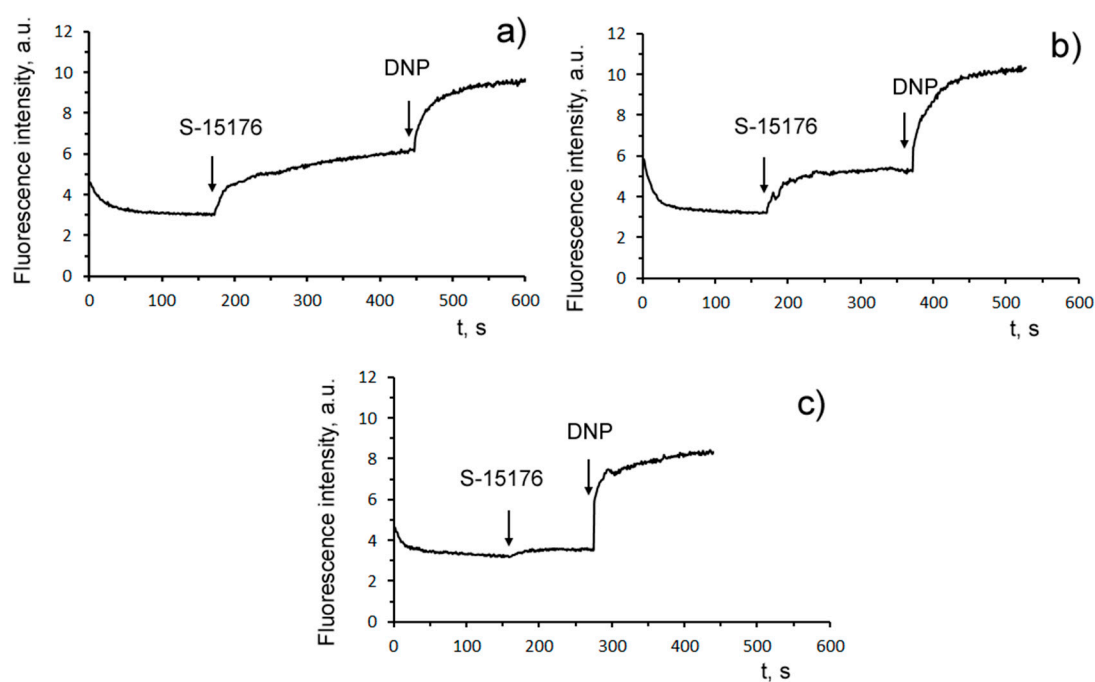


Figure S2. Representative recordings of changes in the fluorescence intensity of safranin O, which reveal S-15176-induced depolarization of isolated rat liver mitochondria energized by the complex I substrates (2.5 mM potassium glutamate + 2.5 mM malate) (a), the complex II substrate (5 mM potassium succinate in the presence of 1 μ M rotenone) (b), or the complex IV substrates (5 mM ascorbic acid + 0.2 mM TMPD) (c). Additions: 30 μ M S-15176, 50 μ M DNP. The mitochondrial membrane potential was evaluated with safranin O as described in the Materials and Methods section. Typical traces are shown ($n = 5$).