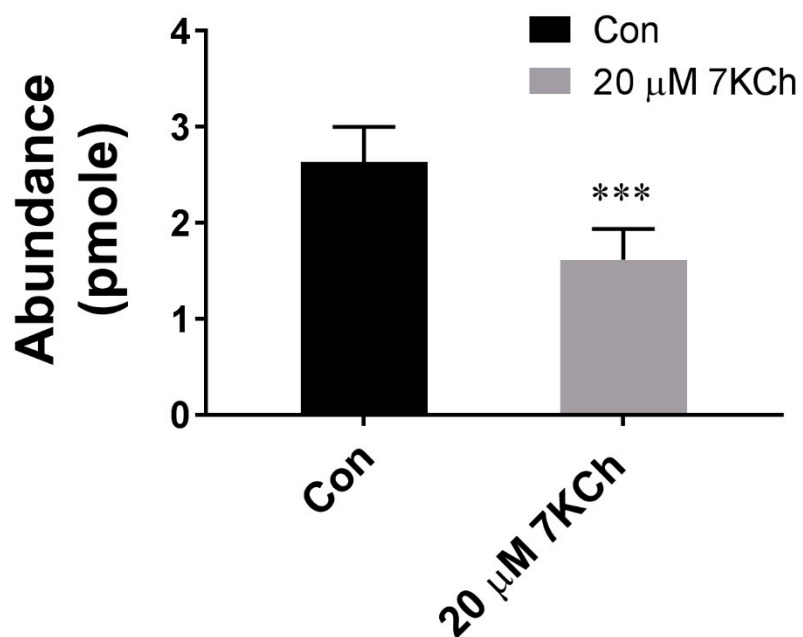


**Figure S1.** Accumulation of 7KCh in HL-1 cells. HL-1 cells were treated with 0 (i.e. the vehicle control; *Con*) or 20 µM 7KCh (*7KCh-treated*), and stained with the primary antibody to 7KCh and the secondary antibody conjugated to anti-mouse Dylight 488 secondary antibody. The cells were counterstained with Hoechst 33342. A representative experiment out of three is shown. Scale bar, 10 µm.



**Figure S2.** 7KCh treatment diminishes the CoQ10 pool. HL-1 cells were treated with 0 (i.e. the vehicle control; *Con*) or 20  $\mu$ M 7KCh for 24 h, and harvested for determination of the CoQ10 content. Data are expressed in pmole per  $10^5$  cells, and are mean  $\pm$  SD, N = 3. \*\*\* $p < 0.005$  vs. the untreated control.

**Table S1.** Primers used in the present study

Gene	F/R	Sequence
<i>Cpt1a</i>	F	5'-TGGCATCATCACTGGTGTGTT-3'
	R	5'-GTCTAGGGTCCGATTGATCTTTG-3'
<i>Cpt1b</i>	F	5'-GCACACCAGGCAGTAGCTTT-3'
	R	5'-CAGGAGTTGATTCCAGACAGGTA-3'
<i>Cpt1c</i>	F	5'-TCTTCACTGAGTTCCGATGGG-3'
	R	5'-ACGCCAGAGATGCCTTTTCC-3'
ACAC (universal primer)	F	5'-TTCCTCAACTTTGTGCCCAC -3'
	R	5'-AGGCTGATGTCCAAGTAGTAG-3'
<i>Acaca</i>	F	5'-ATGGGCGGAATGGTCTCTTTC-3'
	R	5'-TGGGGACCTTGTCTTCATCAT-3'
<i>Acacb</i>	F	5'-CGCTCACCAACAGTAAGGTGG-3'
	R	5'-GCTTGGCAGGGAGTTCCTC-3'
<i>Acsf3</i>	F	5'-AGGAGTGGAAGTACGCATCAT-3'
	R	5'-AACCTGGAGTCACCTTTGTC -3'
<i>Mlycd</i>	F	5'-GCACGTCCGGGAAATGAAC-3'
	R	5'-GCCTCACACTCGCTGATCTT-3'
<i>Gapdh</i>	F	5'-AGGTCGGTGTGAACGGATTTG-3'
	R	5'-TGTAGACCATGTAGTTGAGGTCA-3'

ACAC (universal primer): the primer set for quantifying the transcript levels of variants of *Acaca* and *Acacb* genes; F/R: forward or reverse primer.