

Supplementary Table

Table S1: Overview of Oligonucleotides used in the qRT-PCR analyses:

Gene	Fwd 5' -> 3'	Rev 5' -> 3'
HPRT	AATTCTTTGCTGACCTGCTG	TACTGCCTGACCAAGGAAAG
DIO1	GGTGCAACATTTGGGAGTTTAT	TGGTGATTTCTGATGTCCATGT
DIO2	CTATGACTCGGTCATTCTGCTC	CTTCTGTACTGGAGACATGCAC
DIO3	GCTTCCAGAGCCAGCACATC	GCTGCCGAAATTGAGAACCA

Supplementary Figure

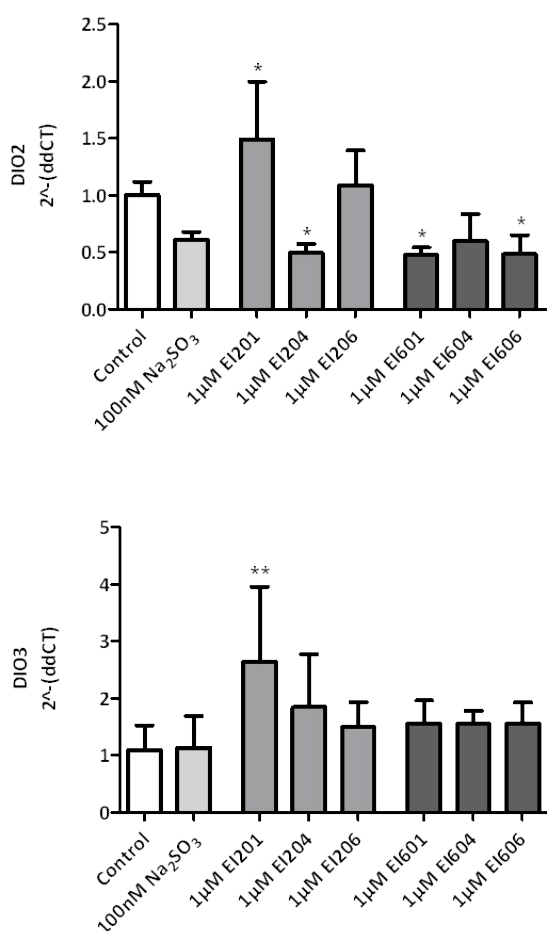


Figure S1 Compound-specific effects of imidoselenocarbamates on DIO2 and DIO3 transcript concentrations in stably transfected HEK293 cells. qRT-PCR analyses indicate moderate effects of EI201, EI204, EI601 and EI606 on the mRNA steady state levels of DIO2, in contrast to the strong inducing effects of these substances on the protein expression (top). The qRT-PCR analyses with HEK293 cells stably expressing DIO3 indicates no significant effects on DIO3 mRNA concentrations with the exception of EI201. The imidoselenocarbamates were applied at a f. c. of 1 μM for 48 h. Data represent mean + SD; n=3.