Hydrazones of 4-(Trifluoromethyl)benzohydrazide as New Inhibitors of Acetyl- and Butyrylcholinesterase

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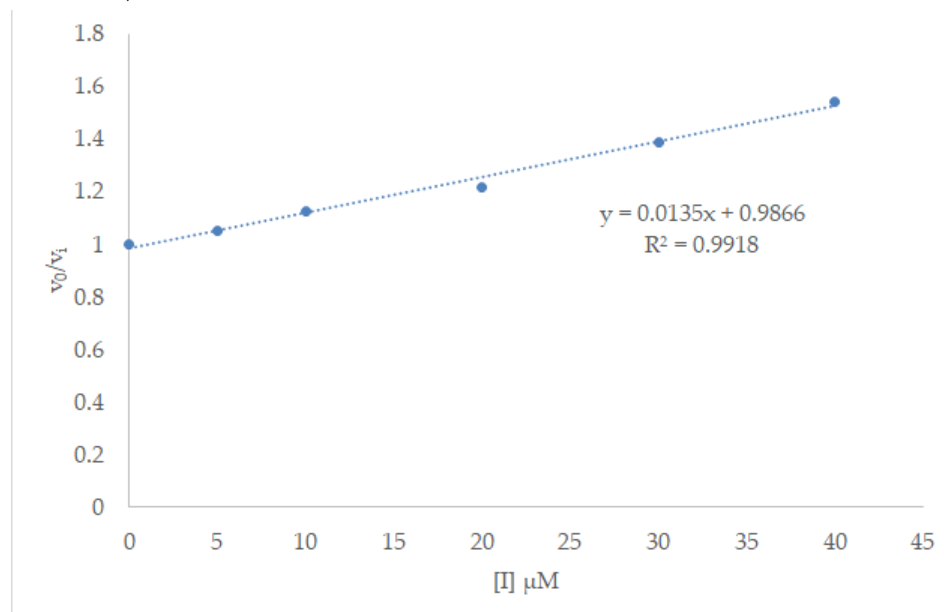
Supplementary Material Content

I. Table S1. Kinetic parameters for **2l** inhibiting eeAChE calculated from L-B plot

c(I) μM	K_M (mM)	V_m (s^{-1})
0	0.85	0.32
10	0.69	0.23
20	0.66	0.19
30	0.64	0.16
40	0.64	0.14

II. Representative figures reporting IC$_{50}$ determination (dependence v_0/v_i *vs.* concentration of selected inhibitors) of selected inhibitors for eeAChE
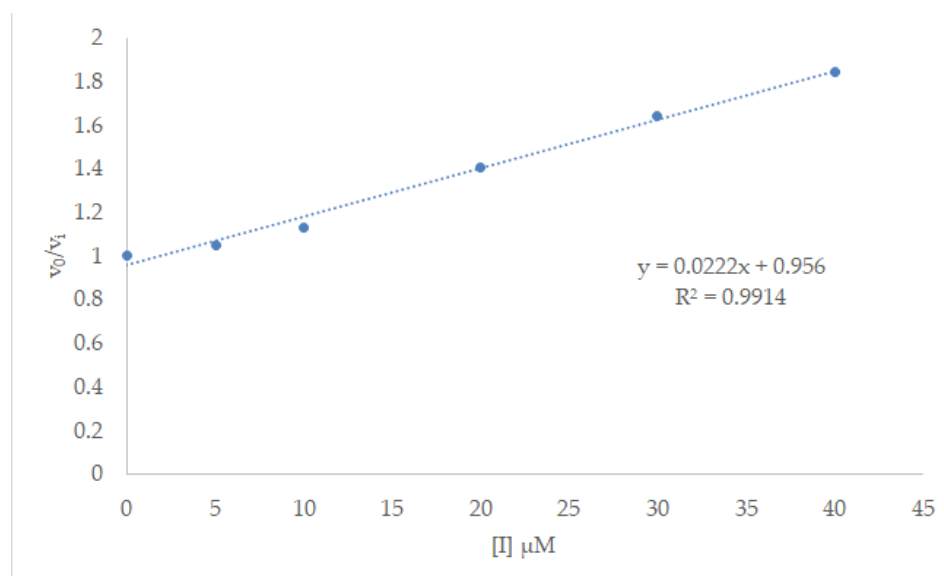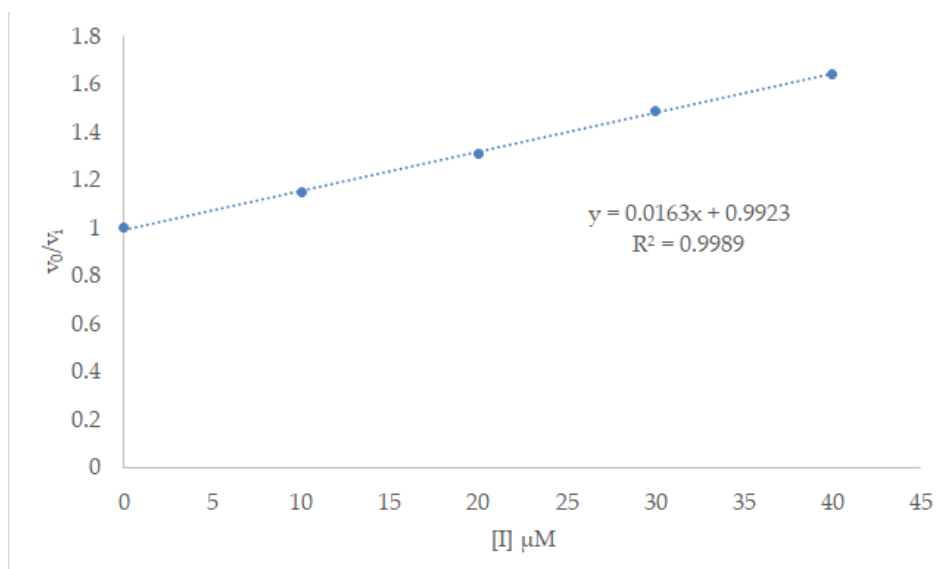

$$y = 0.0135x + 0.9866$$
$$R^2 = 0.9918$$

Figure S1. The dependence v_0/v_i *vs.* concentration of **2a** inhibiting eeAChE. Data are the average values from three different experiments.

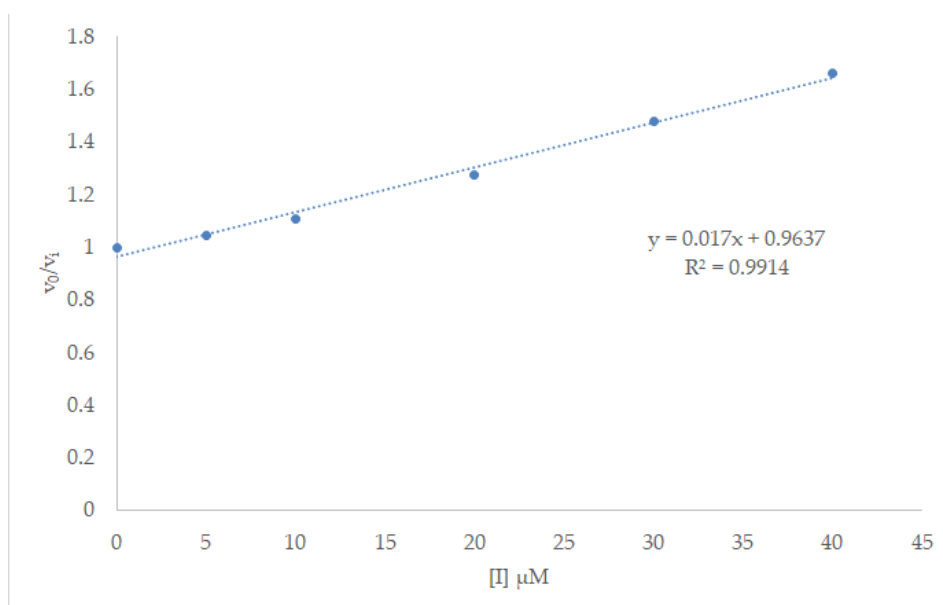$$y = 0.0222x + 0.956$$
$$R^2 = 0.9914$$

Figure S2. The dependence v_0/v_i *vs.* concentration of **2g** inhibiting eeAChE. Data are the average values from three different experiments.
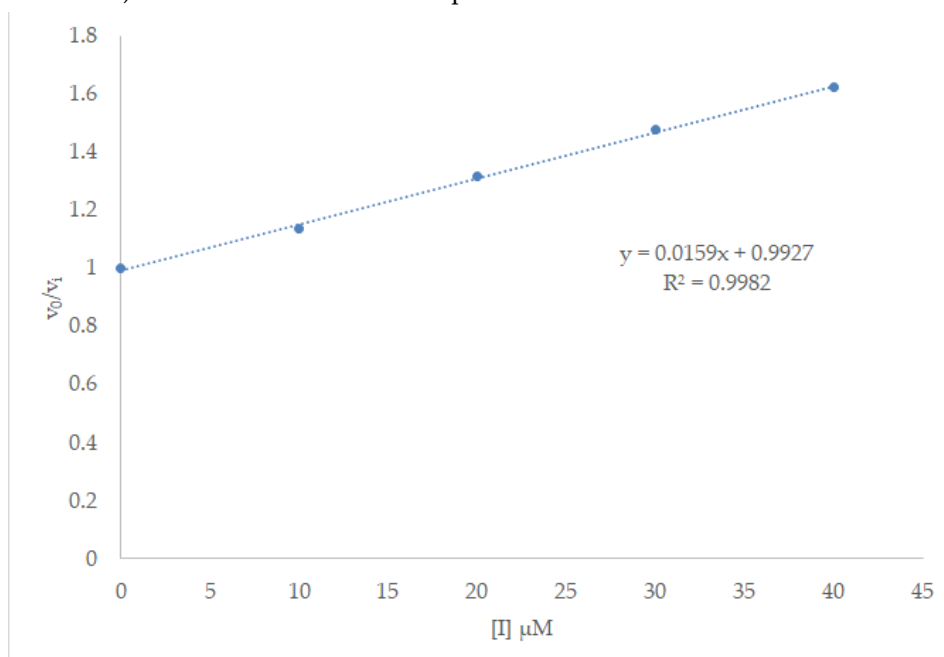
Figure S3. The dependence v_0/v_i *vs.* concentration of **2k** inhibiting eeAChE. Data are the average values from three different experiments.
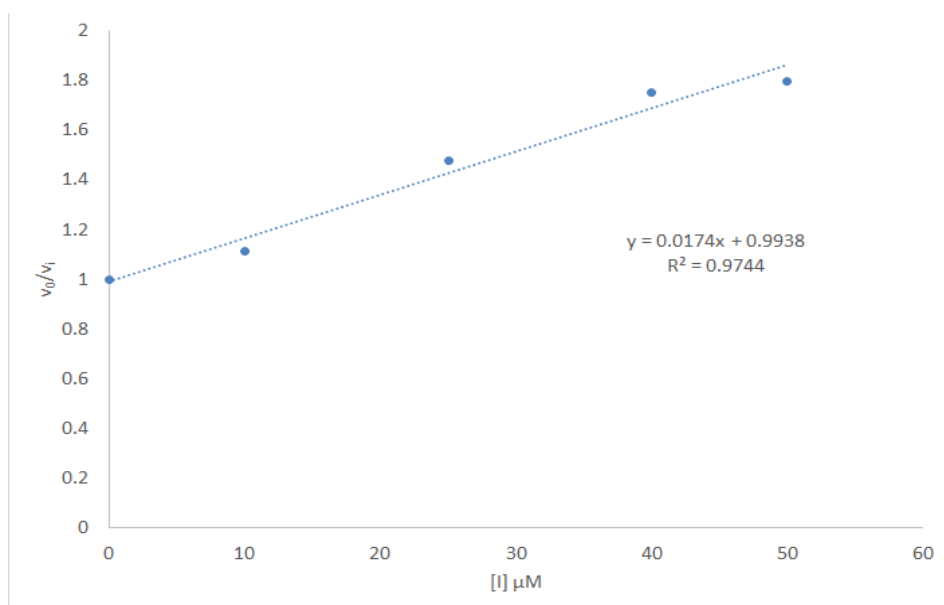

Figure S4. The dependence v_0/v_i *vs.* concentration of **3c** inhibiting eeAChE. Data are the average values from three different experiments.

III. Representative figures reporting IC_{50} determination (dependence v_0/v_i *vs.* concentration of selected inhibitors) of selected inhibitors for eqBuChE

$$y = 0.0159x + 0.9927$$
$$R^2 = 0.9982$$

Figure S5. The dependence v_0/v_i *vs.* concentration of **2d** inhibiting eqBuChE. Data are the average values from three different experiments.

$$y = 0.0174x + 0.9938$$
$$R^2 = 0.9744$$

Figure S6. The dependence v_0/v_i *vs.* concentration of **3d** inhibiting eqBuChE. Data are the average values from three different experiments.