

Correction

# Correction: Anderson, R.F.; Qi, W. Coenzyme Q<sub>10</sub> as an Inhibitor of Effector Release from One-Electron-Reduced Bioreductive Anticancer Prodrugs. *Molecules* 2025, 30, 760

Robert F. Anderson <sup>1,2,3,\*</sup>  and Wen Qi <sup>2</sup> 

<sup>1</sup> Auckland Cancer Society Research Centre, School of Medical Sciences, The University of Auckland, Private Bag 92019, Auckland 1142, New Zealand

<sup>2</sup> School of Chemical Sciences, The University of Auckland, Private Bag 92019, Auckland 1142, New Zealand; wqi066@aucklanduni.ac.nz

<sup>3</sup> Maurice Wilkins Centre for Molecular Biodiscovery, The University of Auckland, Private Bag 92019, Auckland 1142, New Zealand

\* Correspondence: r.anderson@auckland.ac.nz; Tel.: +64-9-3735888

In the original publication [1], there were some mistakes in Tables 2 and 3. Unfortunately, the proof for the *Molecules* paper occurred when one author was away on summer vacation when they did not have office facilities, meaning that checking proved to be inadequate.

These corrections do not materially change the conclusions derived from the table. This correction was approved by the Academic Editor. The original publication has also been updated.

The corrected Tables 2 and 3 appear below.



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**Table 2.** Kinetic comparison of electron transfer rate constants in methanol and effector release.

| Prodrug<br>D | $10^{-6}k_{20}\text{O}_2$<br>(DH• + O <sub>2</sub> ) <sup>1</sup><br>/M <sup>-1</sup> s <sup>-1</sup> | $10^{-8}k_6$ (DH•<br>+ Idebenone)<br>/M <sup>-1</sup> s <sup>-1</sup> | $10^{-8}k_6$ (DH•<br>+ CoQ <sub>10</sub> )<br>/M <sup>-1</sup> s <sup>-1</sup> | $k_{20}\text{O}_2 \times$<br>$10^6[\text{O}_2]^K$<br>/s <sup>-1</sup> | $k_6 \times$<br>[Idebenone] <sup>2</sup><br>/s <sup>-1</sup> | $k_6 \times$<br>[CoQ <sub>10</sub> ] <sup>2</sup><br>/s <sup>-1</sup> | $k_{\text{frag.}}$<br>/s <sup>-1</sup> |
|--------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|--------------------------------------------------------------------------------|-----------------------------------------------------------------------|--------------------------------------------------------------|-----------------------------------------------------------------------|----------------------------------------|
| tirapazamine | 1.17 ± 0.07                                                                                           | 5.06 ± 0.67                                                           | 7.15 ± 0.40                                                                    | 1.4 ± 0.1                                                             | 51 ± 7                                                       | 72 ± 5                                                                | 29 ± 5                                 |
| SN30000      | 2.46 ± 0.44                                                                                           | 12.3 ± 0.7                                                            | 9.50 ± 0.21                                                                    | 2.8 ± 0.6                                                             | 123 ± 7                                                      | 91 ± 6                                                                | 102 ± 2                                |
| evofosfamide | 24.1 ± 3.1                                                                                            | 21.5 ± 0.5                                                            | 15.9 ± 2.3                                                                     | ~6.5 ± 0.8                                                            | 215 ± 13                                                     | 153 ± 12                                                              | 186 ± 30                               |
| tarloxotinib | 24.3 ± 1.6                                                                                            | 6.13 ± 0.48                                                           | 8.35 ± 0.15                                                                    | 0.8 ± 0.5                                                             | 61 ± 5                                                       | 84 ± 1                                                                | 85 ± 25                                |

<sup>1</sup>: see Figures S2–S5 <sup>2</sup>: [ ] = 100 nM.**Table 3.** Kinetic comparison of combined electron transfer from prodrug radical anions to O<sub>2</sub> and CoQ<sub>10</sub> with  $k_{\text{frag.}}$ .

| Prodrug<br>D | $10^{-6}k_{20}\text{O}_2$<br>(DH• + O <sub>2</sub> )<br>× 78 μM/s <sup>-1</sup> | $10^{-8}k_6$<br>(DH• + CoQ <sub>10</sub> )<br>× 100 nM/s <sup>-1</sup> | $k_{\text{frag.}}$<br>/s <sup>-1</sup> | Kinetic Ratio<br>( $k_{20}\text{O}_2 + k_6$ )/ $k_{\text{frag.}}$ |
|--------------|---------------------------------------------------------------------------------|------------------------------------------------------------------------|----------------------------------------|-------------------------------------------------------------------|
| tirapazamine | 91                                                                              | 72                                                                     | 29                                     | 5.62                                                              |
| SN30000      | 192                                                                             | 95                                                                     | 102                                    | 2.81                                                              |
| evofosfamide | 1880                                                                            | 159                                                                    | 186                                    | 11.0                                                              |
| tarloxotinib | 1895                                                                            | 84                                                                     | 85                                     | 23.3                                                              |

## Reference

- Anderson, R.F.; Qi, W. Coenzyme Q<sub>10</sub> as an Inhibitor of Effector Release from One-Electron-Reduced Bioreductive Anticancer Prodrugs. *Molecules* **2025**, *30*, 760. [[CrossRef](#)] [[PubMed](#)]

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