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Correction: Catalyst-free decarboxylative deuteration using tailored photoredox-active carboxylic acids

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The original version of this manuscript contained a formatting issue with the reference section of the manuscript. The correct details for the references (ref. 1–15) are given below.

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

References

1 (*a*) S. Kopf, F. Bourriquen, W. Li, H. Neumann, K. Junge and M. Beller, *Chem. Rev.*, 2022, **122**, 6634–6718; (*b*) P. W. Miller, N. J. Long, R. Vilar and A. D. Gee, *Angew. Chem., Int. Ed.*, 2008, **47**, 8998–9033; (*c*) J. Atzrodt, V. Derdau, W. J. Kerr and M. Reid, *Angew. Chem., Int. Ed.*, 2018, **57**, 1758–1784; (*d*) H. Jiang, H. Fang, L. Jiang, L. Zheng, N. Wang, A. Zheng, F. Deng and M. Liu, *Chin. J. Chem.*, 2010, **28**, 2281–2286.

2 (*a*) T. G. Gant, *J. Med. Chem.*, 2014, **57**, 3595–3611; (*b*) T. Pirali, M. Serafini, S. Cargnin and A. A. Genazzani, *J. Med. Chem.*, 2019, **62**, 5276–5297.

3 R. M. C. Di Martino, B. D. Maxwell and T. Pirali, *Nat. Rev. Drug Discovery*, 2023, **22**, 562–584.

4 (*a*) H. H. Geng, X. B. Chen, J. J. Gui, Y. T. Zhang, Z. Y. Shen, P. F. Qian, J. W. Chen, S. L. Zhang and W. Wang, *Nat. Catal.*, 2019, **2**, 1071–1077; (*b*) Z. Zhang, C. Qiu, Y. Xu, Q. Han, J. Tang, K. P. Loh and C. Su, *Nat. Commun.*, 2020, **11**, 4722–4730.

5 (*a*) J. Atzrodt, V. Derdau, W. J. Kerr and M. Reid, *Angew. Chem., Int. Ed.*, 2018, **57**, 3022–3047; (*b*) M. Valero and V. Derdau, *J. Labelled Compd. Radiopharm.*, 2020, **63**, 266–280.

6 (*a*) C. M. Stork, R. Weck, M. Valero, H. Kramp, S. Güssregen, S. R. Waldvogel, A. Sib and V. Derdau, *Angew. Chem., Int. Ed.*, 2023, **62**, e202301512; (*b*) G. Prakash, N. Paul, G. A. Oliver, D. B. Werz and D. Maiti, *Chem. Soc. Rev.*, 2022, **51**, 3123–3163; (*c*) A. Gholap, S. Bag, S. Pradhan, A. R. Kapdi and D. Maiti, *ACS Catal.*, 2020, **10**, 5347–5352; (*d*) H. Li, M. Shabbir, W. Li and A. Lei, *Chin. J. Chem.*, 2023, **41**, 202300570; (*e*) X. G. Qiao, J. S. Bao, H. Q. Guo and T. Tamotsu, *Chin. J. Chem.*, 2005, **23**, 341–344.

7 (*a*) Y. Y. Loh, K. Nagao, A. J. Hoover, D. Hesk, N. R. Rivera, S. L. Colletti, I. W. Davies and D. W. C. Macmillan, *Science*, 2017, **358**, 1182–1187; (*b*) T. Constantin, M. Zanini, A. Regni, N. S. Sheikh, F. Julia and D. Leonori, *Science*, 2020, **367**, 1021–1025; (*c*) N. Li, Y. Li, X. Wu, C. Zhu and J. Xie, *Chem. Soc. Rev.*, 2022, **51**, 6291–6306; (*d*) G. Zhao, W. Yao, J. N. Mauro and M. Y. Ngai, *J. Am. Chem. Soc.*, 2021, **143**, 1728–1734; (*e*) J. Xu, J. Fan, Y. Lou, W. Xu, Z. Wang, D. Li, H. Zhou, X. Lin and Q. Wu, *Nat. Commun.*, 2021, **12**, 3983–3993; (*f*) C. B. Liu, Z. X. Chen, C. L. Su, X. X. Zhao, Q. Gao, G. H. Ning, H. Zhu, W. Tang, K. Leng, W. Fu, B. B. Tian, X. W. Peng, J. Li, Q. H. Xu, W. Zhou and K. P. Loh, *Nat. Commun.*, 2018, **9**, 80.

8 (*a*) M.-C. Fu, R. Shang, B. Zhao, B. Wang and Y. Fu, *Science*, 2019, **363**, 1429–1434; (*b*) A. Fawcett, J. Pradeilles, Y. Wang, T. Mutsuga, E. L. Myers and V. K. Aggarwal, *Science*, 2017, **357**, 283–286; (*c*) Y. F. Liang, X. H. Zhang and D. W. C. Macmillan,

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Nature, 2018, **559**, 83–88; (*d*) S. Bloom, C. Liu, D. K. Kolmel, J. X. Qiao, Y. Zhang, M. A. Poss, W. R. Ewing and D. W. C. Macmillan, *Nat. Chem.*, 2018, **10**, 205–211.

9 (*a*) T. Patra, S. Mukherjee, J. J. Ma, F. Strieth-Kalthoff and F. Glorius, *Angew. Chem., Int. Ed.*, 2019, **58**, 10514–10520; (*b*) N. Li, Y. Ning, X. Wu, J. Xie, W. Li and C. Zhu, *Chem. Sci.*, 2021, **12**, 5505–5510; (*c*) T. Itou, Y. Yoshimi, K. Nishikawa, T. Morita, Y. Okada, N. Ichinose and M. Hatanaka, *Chem. Commun.*, 2010, **46**, 6177–6179; (*d*) Y. L. Sun, F. F. Tan, R. G. Hu, C. H. Hu and Y. Li, *Chin. J. Chem.*, 2022, **40**, 1903–1908; (*e*) C.-Q. Deng, Y. Xu, J.-H. Luo, G.-Z. Wang, J. Deng and Y. Fu, *Chem Catal.*, 2024, **4**, 100899.

10 N. Rodriguez and L. J. Goossen, *Chem. Soc. Rev.*, 2011, **40**, 5030–5048.

11 (*a*) A. Vega-Penaloza, J. Mateos, X. Companyo, M. Escudero-Casao and L. Dell'amico, *Angew. Chem., Int. Ed.*, 2021, **60**, 1082–1097; (*b*) M. J. Yi, H. X. Zhang, T. F. Xiao, J. H. Zhang, Z. T. Feng, L. P. Wei, G. Q. Xu and P. F. Xu, *ACS Catal.*, 2021, **11**, 3466–3472.

12 (*a*) M. Horvat, K. Mlinaric-Majerski, A. G. Griesbeck and N. Basaric, *Photochem. Photobiol. Sci.*, 2011, **10**, 610–617; (*b*) M. Oelgemöller and A. G. Griesbeck, *J. Photochem. Photobiol., C*, 2002, **3**, 109–127.

13 (*a*) I. Ghosh, T. Ghosh, J. I. Bardagi and B. Koenig, *Science*, 2014, **346**, 725–728; (*b*) F. Wurthner, C. R. Saha-Moller, B. Fimmel, S. Ogi, P. Leowanawat and D. Schmidt, *Chem. Rev.*, 2016, **116**, 962–1052; (*c*) S. Sonalin, K. Sakthivel and S. Nagarajan, *Mater. Today*, 2018, **5**, 16592–16597; (*d*) M. Poddar, G. Sivakumar and R. Misra, *J. Mater. Chem. C*, 2019, **7**, 14798–14815; (*e*) S. Banerjee, E. B. Veale, C. M. Phelan, S. A. Murphy, G. M. Tocci, L. J. Gillespie, D. O. Frimannsson, J. M. Kelly and T. Gunnlaugsson, *Chem. Soc. Rev.*, 2013, **42**, 1601–1618.

14 (*a*) S. Pai, M. Hafftlang, G. Atongo, C. Nagel, J. Niesel, S. Botov, H. G. Schmalz, B. Yard and U. Schatzschneider, *Dalton Trans.*, 2014, **43**, 8664–8867; (*b*) M. C. Archana Dikshit, R. K. Singh and K. Misra, *Can. J. Chem.*, 1988, **66**, 2989–2994.

15 (*a*) I. A. Mackenzie, L. Wang, N. P. R. Onuska, O. F. Williams, K. Begam, A. M. Moran, B. D. Dunietz and D. A. Nicewicz, *Nature*, 2020, **580**, 76–80; (*b*) K. A. Margrey and D. A. Nicewicz, *Acc. Chem. Res.*, 2016, **49**, 1997–2006; (*c*) X. Wan, C. Li, M. Zhang and Y. Chen, *Chem. Soc. Rev.*, 2020, **49**, 2828–2842.