

LIST OF PUBLICATIONS FROM THE PROJECT P-28892

Bernhard Kräutler

Antivitamins B₁₂ – Some Inaugural Milestones

Chem. – Europ. J. **26**, 15438-15445 (2020) <https://doi.org/10.1002/chem.202003788>

Florian J. Widner, C. Kieninger, K. Wurst, Evelyne Deery, Andrew D. Lawrence, Martin J. Warren and Bernhard Kräutler

Synthesis, Spectral Characterization and Crystal Structure of Chloro-Rhodibalamin – A Synthesis Platform for Rhodium Analogues of Vitamin B₁₂ and for Rh-Based Antivitamins B₁₂

Synthesis **53**, 332-337 (2021) <https://doi.org/10.1055/s-0040-1707288>

Elvin V. Salerno, Nicholas A. Miller, Arkaprabha Konar, Yan Li, Christoph Kieninger, Bernhard Kräutler and Roseanne J. Sension

Ultrafast Excited State Dynamics and Fluorescence from Vitamin B₁₂ and Organometallic [Co]-C=C-R Cobalamins

J. Phys. Chem. B, **124**, 6651-6656 (2020) <https://pubs.acs.org/doi/10.1021/acs.jpccb.0c04886>

Christoph Kieninger, Klaus Wurst, Maren Podewitz, Maria Stanley, Evelyne Deery, Andrew Lawrence, Klaus R. Liedl, Martin J Warren and Bernhard Kräutler

Replacement of the Cobalt-Center of Vitamin B₁₂ by Nickel - Nibalamin and Nibyric Acid Prepared from Metal-Free B₁₂-Ligands Hydrogenobalamin and Hydrogenobyric Acid

Angew. Chem. Int. Ed. **59**, 20129-20136 (2020) <https://doi.org/10.1002/anie.202008407>

Elvin Salerno, Nicholas A. Miller, Arkaprabha Konar, Robert Salchner, Christoph Kieninger, Klaus Wurst, Kenneth G. Spears, Bernhard Kräutler, and Roseanne J. Sension

Exceptional Photochemical Stability of the Co-C Bond of Alkynyl-Cobalamins – Novel Potential Antivitamins B₁₂ and Core Elements of Vitamin B₁₂-Based Biological Vectors

Inorg. Chem. **2020**, *59*, 6422-6431

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Christoph Kieninger, Joseph A. Baker, Maren Podewitz, Klaus Wurst, Steffen Jockusch, Andrew D. Lawrence, Evelyne Deery, Karl Gruber, Klaus R. Liedl, Martin J. Warren & Bernhard Kräutler

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Angew. Chem. Int. Ed. **2019**, *58*, 14568 –14572

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Cobalt – my Element

Chem. Europ. J. **2019**, *25*, 4870-4870

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