

LIST of PUBLICATIONS

(up-date April 2018)

Prof. Dr. Bernhard Kräutler

2018

282. Bernhard Kräutler
Biological Organometallic Chemistry of Vitamin B₁₂-Derivatives, *in press*
Advances in Bioorganometallic Chemistry (T. Hirao & T. Moriuchi, eds.)
Elsevier, Cambridge, USA.
281. Chengjie Li, Klaus Wurst, Joachim Berghold, Maren Podewitz, Klaus R. Liedl and
Bernhard Kräutler
Pyro-Phyllobilins – Elusive Chlorophyll Catabolites Lacking a Critical Carboxylate
Function of the Natural Chlorophylls
Chem. Europ. J., **24**, 2987-2998 (2018) DOI: 10.1002/chem.201705331
280. Bernhard Kräutler and Bernhard Jaun
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279. S. Moser, G. Scherzer and B. Kräutler
On the Nature of Isomeric Nonfluorescent Chlorophyll Catabolites in Leaves and Fruit
- A Study with a Ubiquitous Phylloleucobilin and its Main Isomerization Product
Chemistry and Biodiversity **2017**, *14*, e1700368
Dedicated to Prof. Dieter Seebach on the occasion of his 80th birthday
278. E. Mutti, M. Hunger, S. Fedosov, E. Nexo and B. Kräutler
Organometallic DNA-B₁₂-Conjugates as Potential Oligonucleotide Vectors -
Synthesis, Structural and Binding Studies with Human Cobalamin-Transport Proteins
ChemBioChem **2017**, *18*, 2280-2291
277. J. S. Bloch, M. Ruetz, B. Kräutler and K. P. Locher
Structure of the human transcobalamin beta domain in four distinct states
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276. F. J. Widner, F. Gstrein and Bernhard Kräutler
Partial Synthesis of Coenzyme B₁₂ from Cobyric Acid
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Dedicated to Prof. Albert Eschenmoser on the occasion of his 92nd birthday
275. S. Banala, S. Fokong, Ch. Brand, Ch. Andreou, B. Kräutler, M. Rueping, and F. Kiessling
Quinone-Fused Porphyrins as Contrast Agents for Photoacoustic Imaging
Chem. Sci., **8**, 6176-6181 (2017)
274. C. N. Brenig, M. Ruetz, C. Kieninger, K. Wurst and B. Kräutler,
Alpha- and beta-Diastereoisomers of Phenylcobalamin from Cobalt-Arylation with
Diphenyliodonium Chloride
Chemistry – Europ. J. **23**, 9726-9731 (2017)
273. Z. Li, A. Shanmuganathan, M. Ruetz, K. Yamada, N. A. Lesniak, B. Kräutler, T. C. Brunold, M. Koutmos and R. Banerjee,
Glutathionyl-Cobalamin is an Intermediate in Thiol Oxidation Catalyzed by the B₁₂
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272. M. Ruetz, A. Shanmuganathan, C. Gherasim, A. Karasik, R. Salchner, C. Kieninger, K. Wurst, R. Banerjee, M. Koutmos and B. Kräutler*
Antivitamin B₁₂ Inhibition of Human B₁₂-Processing Enzyme CblC - Crystal Structure of Abortive Ternary Complex with Cosubstrate Glutathione, *Angew. Chem. Int. Ed.* **56**, 7387-7392 (2017)
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271. C. Mittelberger, H. Yalcinkaya, C. Pichler, J. Gasser, G. Scherzer, T. Erhart, S. Schumacher, B. Holzner, K. Janik, P. Robatscher, T. Müller, B. Kräutler, and M. Oberhuber
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268. Chengjie Li, Klaus Wurst, Steffen Jockusch, Karl Gruber, Maren Podewitz, Klaus R. Liedl, and Bernhard Kräutler
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266. T. Erhart, C. Mittelberger, C. Vergeiner, G. Scherzer, B. Holzner, P. Robatscher, M. Oberhuber, B. Kräutler
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265. F. J. Widner, A. D. Lawrence, E. Deery, D. Heldt, S. Frank, K. Gruber, K. Wurst, M. J. Warren, B. Kräutler
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258. K. Netsomboon, A. Feßler, L. Erletz, F. Prüfert, M. Ruetz, C. Kieninger, B. Kräutler, A. Bernkop-Schnürch
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