

List of Publications

Univ. Prof. Mag. Dr. Walther SCHMID

Albler, C.; Schmid, W., *Eur.J.Org.Chem.* **2014**, 2451-2459. „Synthetic Routes towards Fluorine-Containing Amino Sugars: Synthesis of Fluorinated Analogues of Tomosamine and 4-Amino-4-deoxyarabinose“.DOI:10.1002/ejoc.201301614

Lichtenecker, R.J.; Weinhäupl, K.; Schmid, W.; Konrat, R.; *J. Biomol. NMR* **2013**, 57, 327-331. „ α -Ketoacids as precursors for phenylalanine and tyrosine labelling in cell-based protein overexpression“.DOI: 10.1007/s10858-013-9796-9

Lichtenecker, R.J.; Weinhäupl, K.; Reuther, L.; Schörghuber, J.; Schmid, W.; Konrat, R.; *J. Biomol. NMR* **2013**, 57, 205-209. „Independent valine and leucine isotope labeling in Escherichia coli protein overexpression systems“.DOI: 10.1007/s10858-013-9786-y

Lichtenecker, R.J., Coudeville, N., Konrat, R., Schmid, W., **2013**, *ChemBioChem* 14 (7) , 818-821. „Selective Isotope Labelling of Leucine Residues by Using α -Ketoacid Precursor Compounds“.DOI: 10.1002/cbic.201200737

Schmölzer, C.; Nowikow, C.; Kählig, H.; Schmid, W.; *Carbohydr. Res.* **2013**, 367, 1-4. „Gram Scale De Novo Synthesis of 2,4-Diacetamido-2,4,6-trideoxy-D-galactose“.DOI:10.1016/j.carres.2012.11.019

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Braitsch, M.; Kählig, H.; Kontaxis, G.; Fischer, M.; Kawada, T.; Konrat, R.; Schmid, W.; *Beilstein J. Org. Chem.* **2012**, 8, 448–455. “Synthesis of fluorinated maltose derivatives for monitoring protein interaction via ^{19}F -NMR“.DOI: 10.3762/bjoc.8.51

Fischer, M.; Kählig, H.; Schmid, W.; *Chem. Commun.* **2011**, 47, 6647-6649 „Gram Scale Synthesis of 3-Fluoro-1-hydroxyacetone Phosphate: A Novel Donor Substrate in Rabbit Muscle Aldolase-Catalyzed Aldol Reactions“ DOI: 10.1039 /c1cc11579k

Fischer, M.; Schmölder, C.; Nowikow, T.; Schmid, W.; *Eur.J.Org.Chem.* **2011**, 1645-1651. „Indium-mediated Allenylation of Aldehydes and its Application in Carbohydrate Chemistry: Efficient Synthesis of D-Ribulose and 1-Deoxy-D-ribulose“ **DOI:10.1002/ejoc.201001443**

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Fürst, R.; Nowikow, C.; Berenyi, A.; Ecker, G.; Schmid, W.; Zupko, I.; Rinner, U. *Abstracts of Papers, 240th ACS National Meeting Boston, MA, United States, August 22-26, 2010 (2010)*. „Synthesis and biological evaluation of novel carbocycle-containing combretastatin A-4 analogs“

Schmölder, C.; Fischer, M.; Schmid, W.; *Eur.J.Org.Chem.* **2010**, 4886-4892. „Permanganate Oxidation Revisited: Synthesis of 3-Deoxy-2-uloses via Indium-Mediated Chain Elongation of Carbohydrates“ **DOI:10.1002/ejoc.201000623**

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Lichtenecker, R.J.; Schmid, W. *Monatsh. Chem.* **2009**, 140, 509-512. „Application of various ionic liquids as cosolvents for chloroperoxidase catalyzed biotransformations“ **DOI:10.1007/s00706-008-0081-7**

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