

W. Schönemann, E. Gallienne, K. Ikeda-Obatake, N. Asano, M. Górecki, J. Frelek, O. R. Martin “Glucosylceramide mimics: highly potent GCCase inhibitors and selective pharmacological chaperones for mutations associated with types 1 and 2 Gaucher disease”, *ChemMedChem*, **2013**, 8(11), 1805-1817.

K. Szwed, M. Górecki, J. Frelek, M. Asztemborska “Enantioselective extraction system containing binary chiral selectors and chromatographic enantioseparation method for determination of the absolute configuration of enantiomers of cyclopentolate”, *Chromatographia*, **2013**, 76, 1603–1611.

A. Biela, F. Oulaïdi, E. Gallienne, M. Górecki, J. Frelek, O. R. Martin “An improved methodology for the synthesis of 1-C-allyl imino-d-xylitol and -l-arabinitol and their rapid functionalization”, *Tetrahedron*, **2013**, 69(15), 3348-3354.

M. Jawiczuk, M. Górecki, A. Suszczyńska, M. Karchier, J. Jaźwiński, J. Frelek “Dimolybdenumtetracarboxylates as auxiliary chromophores in chiroptical studies of *vic*-diols”, *Inorganic Chemistry*, **2013**, 52 (14), 8250–8263.

J. Grolik, Ł. Dudek, J. Eilmes, A. Eilmes, M. Górecki, J. Frelek, B. Heinrich, B. Donnio “New chiral discotics with helical organization of the mesophase-liquid crystalline derivatives of dibenzotetraaza[14]annulene”, *Tetrahedron*, **2012**, 68, 3875-3884.

R. Kołodziejska, M. Górecki, J. Frelek, M. Damiński “Enantioselective enzymatic desymmetrization of the prochiral pyrimidine acyclonucleoside”, *Tetrahedron: Asymmetry*, **2012**, 23, 683–689.

I. Jastrzębska, M. Górecki, J. Frelek, R. Santillan, L. Siergiejczyk, J. W. Morzycki “Photoinduced isomerization of 23-oxosapogenins. Conformational analysis and spectroscopic characterization of 22-isosapogenins”, *Journal of Organic Chemistry*, **2012**, 77 (24), 11257–11269.

J. Frelek, M. Górecki, M. Łaszcz, A. Suszczyńska, E. Vass, W. J. Szczepok “Distinguishing Between Polymorphic Forms of Linezolid by Solid-Phase Electronic and Vibrational Circular Dichroism”, *Chemical Communications*, **2012**, 48, 5295–5297.

M. Woźnica, P. Kowalska, R. Łysek, M. Masnyk, M. Górecki, M. Kwit, F. Furche, J. Frelek “Stereochemical assignment of β -lactam antibiotics and their analogues by electronic circular dichroism spectroscopy”, *Current Organic Chemistry*, **2010**, 14(10), 1022-1036.

M. Górecki, E. Jabłońska, A. Kruszewska, A. Suszczyńska, Z. Urbańczyk-Lipkowska, M. Gerards, J. W. Morzycki, W. J. Szczepok, J. Frelek “A practical method for the absolute configuration assignment of *tert/tert* 1,2-diols using their complexes with $[\text{Mo}_2(\text{OAc})_4]$ ”, *Journal of Organic Chemistry*, **2007**, 72, 2906-2916.

J. Frelek, M. Górecki, A. Suszczyńska, E. Forro, Z. Majer “Dimolybdenum tetraacetate as an auxiliary chromophore in absolute configuration determination of amino acids from their circular dichroism spectra - foundations and developments”, *Mini-Reviews in Organic Chemistry*, **2006**, 3, 281-290.

M. Górecki, A. Kamińska, P. Ruśkowska, A. Suszczyńska, J. Frelek “Dimolybdenum method for determination of the absolute configuration of *vic*-diols - foundations and developments”, *Polish Journal Chemistry*, **2006**, 80, 523-534.

J. Frelek, M. Górecki, J. Jaźwiński, M. Masnyk, P. Ruśkowska, R. Szmigielski “Configurational assignment of *vic*-amino alcohols from their circular dichroism spectra with dirhodium tetracetate as an auxiliary chromophore”, *Tetrahedron: Asymmetry*, **2005**, 16, 3188-3197.