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Inhibition and detection of 15-lipoxygenase-1

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List of Publications

- (1) Neochoritis, C.; **Eleftheriadis, N.**; Tsoleridis, C. a.; Stephanidou-Stephanatou, J. A Thorough Study on the Reaction of DMAD with 1-Arylaminoimidazole-2-Thiones. Expeditious Synthesis of imidazo[2,1-b][1,3]thiazoles through a Novel Arylamino Rearrangement. *Tetrahedron* **2010**, *66* (3), 709–714.
- (2) **Eleftheriadis, N.**; Neochoritis, C. G.; Tsoleridis, C. a.; Stephanidou-Stephanatou, J.; Iakovidou-Kritsi, Z. One-Pot Microwave Assisted Synthesis of New 2-Alkoxy carbonylmethylene-4-Oxo-1,5-Benzo-, Naphtho-, and Pyridodiazepines and Assessment of Their Cytogenetic Activity. *Eur. J. Med. Chem.* **2013**, *67*, 302–309.
- (3) Wisastra, R.; Kok, P. A. M.; **Eleftheriadis, N.**; Baumgartner, M. P.; Camacho, C. J.; Haisma, H. J.; Dekker, F. J. Discovery of a Novel Activator of 5-Lipoxygenase from an Anacardic Acid Derived Compound Collection. *Bioorg. Med. Chem.* **2013**, *21* (24), 7763–7778.
- (4) Neochoritis, C.; **Eleftheriadis, N.**; Tsiantou, A.; Stephanidou-Stephanatou, J.; Tsoleridis, C. One-Pot DBU-Promoted Synthesis of Hydroacridinones and Spirohexahydropyrimidines. *Synlett* **2013**, *24* (20), 2768–2772.
- (5) **Eleftheriadis, N.**; Traven, K.; Seršen, S.; Kljun, J.; Bezenšek, J.; Stanovnik, B.; Turel, I.; Dekker, F. J. Ruthenium Complexes as Inhibitors of 15-Lipoxygenase-1. *Polyhedron* **2015**, *101*, 306–313.
- (6) **Eleftheriadis, N.**; Thee, S.; te Biesebeek, J.; van der Wouden, P.; Baas, B.-J.; Dekker, F. J. Identification of 6-Benzoyloxysalicylates as a Novel Class of Inhibitors of 15-Lipoxygenase-1. *Eur. J. Med. Chem.* **2015**, *94*, 265–275.
- (7) **Eleftheriadis, N.**; Neochoritis, C. G.; Leus, N. G. J.; van der Wouden, P. E.; Dömling, A.; Dekker, F. J. Rational Development of a Potent 15-Lipoxygenase-1 Inhibitor with in Vitro and Ex Vivo Anti-Inflammatory Properties. *J. Med. Chem.* **2015**, *58* (19), 7850–7862.
- (8) **Eleftheriadis, N.**; Kasapidou, P.; Stephanidou-Stephanatou, J.; Tsoleridis, C.; Hadjipavlou-

- Litina, D.; Kontogiorgis, C.; Pritsa, A.; Papadopoulos, A. One-Pot Synthesis of Highly Functionalized Benzimidazolylisophthalates and (2E)-2-Ethylidene-(1H)-Pyridinecarboxylates by Ultrasound-Promoted Multicomponent Reactions. *Synthesis (Stuttg)*. **2015**, 47 (10), 1390–1398.
- (9) **Eleftheriadis, N.**; Samatidou, E.; Neochoritis, C. G. First Catalytic Hetero-Diels–Alder Reaction of Imidazole-2-Thiones and in Silico Biological Evaluation of the Cycloadducts. *Tetrahedron* **2016**, 72 (14), 1742–1748.
- (10) **Eleftheriadis, N.**; Poelman, H.; Leus, N. G. J.; Honrath, B.; Neochoritis, C. G.; Dolga, A.; Dömling, A.; Dekker, F. J. Design of a Novel Thiophene Inhibitor of 15-Lipoxygenase-1 with Both Anti-Inflammatory and Neuroprotective Properties. *Eur. J. Med. Chem.* **2016**, 122, 786–801.
- (11) **Eleftheriadis, N.**; Dekker, F. J. The Role of Human 15-Lipoxygenase-1 in Asthma. *SM J. Pulm. Med.* **2016**, 2 (1), 1015.
- (12) **Eleftheriadis, N.**; Thee, S. A.; Zwinderman, M. R. H.; Leus, N. G. J.; Dekker, F. J. Activity-Based Probes for 15-Lipoxygenase-1. *Angew. Chemie Int. Ed.* **2016**, 55 (40), 12300–12305.
- (13) van den Bosch, T.; Wapenaar, H.; Leus, N. G. J.; van der Wouden, P.; **Eleftheriadis, N.**; Hermans, J.; Rotili D.; Mai, A.; Dömling, A.; Bischoff, R.; Haisma, H. J.; Dekker, F. J. Discovery of a potent inhibitor for histone acetylation. *J. Med. Chem.* **2016**, *Under revision*
- (14) Leus, N. G. J.; van den Bosch, T.; van der Wouden, P.; Krist, K.; Ourailidou M. E.; **Eleftheriadis, N.**; Kistemaker, L. E. M.; Bos, S.; Gjaltemac, R. A. F.; Mekonnen, S. A.; Bischoff, R.; Gosens R.; Haisma, H. J.; Dekker, F. J. HDAC1-3 inhibitor MS-275 enhances *IL10* expression in COPD models and reduces cigarette smoke-induced airway inflammation in mice. *Sci. Rep.* **2016**, *Under revision*