

Curriculum Vitae of Vassilis J. Demopoulos)

Dr. Vassilis J. Demopoulos is a Professor Emeritus of Medicinal Chemistry (School of Pharmacy, Aristotle University of Thessaloniki) where he taught/teaches special topics in the field of Organic Pharmaceutical Chemistry to undergraduate and graduate students. He has nearly 35 years of research experience in bioactive drug-like new chemical entities aimed to treat long term diabetic complications or CNS disorders. Dr. Demopoulos holds a Ph.D. in Medicinal Chemistry and Natural Products from College of Pharmacy (University of Iowa), and he has post-doctoral experience in organic synthesis (Memorial University of Newfoundland) as well as experimental pharmacology (Slovak Academy of Sciences). Dr. Demopoulos has authored more than 80 manuscripts, 1 patent, supervised 21 undergraduate diploma theses, 15 postgraduate theses (9 masters & 6 doctorates), and was a coordinator of 4 funded projects.

Selected/Significant Publications

- 1) J. G. Cannon, B. J. Demopoulos, J. P. Long, J. R. Flynn, F. M. Sharabi, "Proposed dopaminergic pharmacophore of Lergotril, Pergolide and related ergot alkaloid derivatives", *J. Med. Chem.*, 24, 238-240 (1981).
- 2) B. J. Demopoulos, H. J. Anderson, C. E. Loader, K. Faber, "Pyrrole chemistry XXVI. A synthesis of porphobilinogen from pyrrole", *Can. J. Chem.*, 61, 2415-2422 (1983).
- 3) V. J. Demopoulos, E. Rekka, "Isomeric benzoylpyrroleacetic acids: Some structural aspects for aldose reductase inhibitory and anti-inflammatory activities", *J. Pharm. Sci.*, 84, 79-82 (1995).
- 4) I. Nicolaou, V. J. Demopoulos, "Substituted pyrrol-1-yl-acetic acids which combine aldose reductase enzyme inhibitory activity and ability to prevent the non enzymatic irreversible modification of proteins from monosaccharides", *J. Med. Chem.*, 46, 417-426 (2003).
- 5) I. Nicolaou, C. Zika, V. J. Demopoulos, "[1-(3,5-Difluoro-4-hydroxyphenyl)-1H-pyrrol-3-yl]phenylmethanone as bioisostere of a carboxylic acid aldose reductase inhibitor", *J. Med. Chem.*, 47, 2706-2709 (2004).
- 6) P. Alexiou, V. J. Demopoulos, "A diverse series of substituted benzenesulfonamides as aldose reductase inhibitors with antioxidant activity: Design, synthesis, and in vitro activity", *J. Med. Chem.*, 53, 7756-7766 (2010).
- 7) M. Chatzopoulou, A. Patsilinos, T. Vallianatou, M.-S. Prnova, S. Zakelj, R. Ragno, M. Stefek, A. Kristl, A. Tsantili-Kakoulidou, V. J. Demopoulos, "Decreasing acidity in a series of aldose reductase inhibitors: 2-Fluoro-4-(1H-pyrrol-1-yl)phenol as a scaffold for improved membrane permeation", *Biorg. Med. Chem.*, 22, 2194-2207 (2014).
- 8) A. Tsantili-Kakoulidou, V. Demopoulos, "Drug-like properties and Fraction Lipophilicity Index as a combined metric", *ADMET and DMPK*, 9, 177-190 (2021).
- 9) Z. Kechagioglou, V. J. Demopoulos, "1-Phenyl-3-tosyl-1H-pyrrole", *Molbank*, 2022(4), M1471 (2022).