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Discovery of reversible monoacylglycerol lipase inhibitors

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List of publications

Discovery of Activated Ketones as Highly Potent, Selective, Reversible and *in vivo* Active Monoacylglycerol Lipase inhibitors

M. Jiang, M. C. W. Huizenga, T. van der Wel, F. Stevens, X. Di, P. M. Gomezbarila, J. P. Medema, L. Heitman, J. Benz, M. Wittwer, U. Grether, A. Pavlovic, L. Collin, G. Zaman, B.F. Florea, R. Buijsman, H.O. Overkleeft, R. J. B. H. N.van den Berg, T. Hankemeier, C. A. A. van Boeckel, M. van der Stelt
Manuscript in preparation

Structure-Activity Relationship Studies of β -Sulfinyl Esters as Reversible Monoacylglycerol Lipase inhibitors

M. Jiang, F. Mohr, T. van der Wel, M. C. W. Huizenga, A. Amedi, A. Martella, R. J. B. H. N.van den Berg, C. A. A. van Boeckel, M. van der Stelt
Manuscript in preparation

Structure-Activity Relationship Studies of α -Ketoamides as Inhibitors of the Phospholipase A and Acyltransferase Enzyme Family

J. Zhou, E.D. Mock, K. Al Ayed, X. Di, V. Kantae, L. Burggraaff, A.F. Stevens, A. Martella, F. Mohr, M. Jiang, T. van der Wel, T.J. Wendel, T.P. Ofman, Y. Tran, N. de Koster, G.J.P. van Westen, T. Hankemeier & M. van der Stelt
Journal of Medicinal Chemistry 63, 9340-9359 (2020).

Discovery of a NAPE-PLD inhibitor that modulates emotional behavior in mice

E.D. Mock, M. Mustafa, O. Gunduz-Cinar, R. Cinar, G.N. Petrie, V. Kantae, X. Di, D. Ogasawara, Z.V. Varga, J. Paloczi, C. Miliano, G. Donvito, A.C.M. van Esbroeck, A.M.F. van der Gracht, I. Kotsogianni, J.K. Park, A. Martella, T. van der Wel, M. Soethoudt, M. Jiang, T.J. Wendel, A.P.A. Janssen, A.T. Bakker, C.M. Donovan, L.I. Castillo, B.I. Florea, J. Wat, H. van den Hurk, M. Wittwer, U. Grether, A. Holmes, C.A.A. van Boeckel, T. Hankemeier, B.F. Cravatt, M.W. Buczynski, M.N. Hill, P. Pacher, A.H. Lichtman & M. van der Stelt
Nature Chemical Biology 16, 667-675 (2020).

Endocannabinoid contributions to alcohol habits and motivation: Relevance to treatment

C.A. Gianessi, S.M. Groman, S.L. Thompson, M. Jiang, M. van der Stelt & J.R. Taylor
Addiction Biology 25, e12768 (2020).

Activity-Based Protein Profiling Delivers Selective Drug Candidate ABX-1431, a Monoacylglycerol Lipase Inhibitor, To Control Lipid Metabolism in Neurological Disorders

M. Jiang & M. van der Stelt
Journal of Medicinal Chemistry 61, 9059-9061 (2018).

Development of a Multiplexed Activity-Based Protein Profiling Assay to Evaluate Activity of Endocannabinoid Hydrolase Inhibitors

A.P.A. Janssen, D. van der Vliet, A.T. Bakker, M. Jiang, S.H. Grimm, G. Campiani, S. Butini & M. van der Stelt

ACS Chemical Biology *13*, 2406-2413 (2018).

A combined experimental and computational study of Vam3, a derivative of resveratrol, and Syk interaction

M. Jiang, R. Liu, Y. Chen, Q. Zheng, S. Fan, & P. Liu

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Monoacylglycerol Lipase Inhibitors

M. Jiang, F. Mohr, C. A. A. van Boeckel, M. C. W. Huizenga, A. Amedi, M. van der Stelt

EP20161029, Filing data: 04.03.20.