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Employment

Researcher

Lund University Bioimaging Center
Lund University
Lund, Sweden
2015 Sept 21 → present

Research output

Proteomic analysis across patient iPSC-based models and human post-mortem hippocampal tissue reveals early cellular dysfunction and progression of Alzheimer's disease pathogenesis

Pomeshchik, Y., Velasquez, E., Gil, J., Klementieva, O., Gidlöf, R., Sydoff, M., Bagnoli, S., Nacmias, B., Sorbi, S., Westergren-Thorsson, G., Gouras, G. K., Rezeli, M. & Roybon, L., 2023 Sept 15, In: Acta Neuropathologica Communications. 11, 150.

Longitudinal Imaging Using PET/CT with Collagen-I PET-Tracer and MRI for Assessment of Fibrotic and Inflammatory Lesions in a Rat Lung Injury Model

Mahmutovic Persson, I., Fransén Pettersson, N., Liu, J., Falk Håkansson, H., Örbom, A., In 't Zandt, R., Gidlöf, R., Sydoff, M., von Wachenfeldt, K., Olsson, L. E. & TRISTAN Consortium, 2020 Nov 18, In: Journal of Clinical Medicine. 9, 11, p. 1-21

Stereoretentive Nucleophilic Substitution at the Tetrasubstituted Carbon of Galiellalactone

Escobar, Z., Nilsson, J., Gidlöf, R., Johansson, M. & Sterner, O., 2020, In: Journal of Organic Chemistry. 85, 12, p. 7704-7710 7 p.

N-Conjugate prodrugs of galiellalactone

Escobar, Z., Gidlöf, R., Johansson, M., Hellsten, R. & Sterner, O., 2016 Sept 7, In: Tetrahedron Letters. 57, 36, p. 4090-4093 4 p.

Lactam analogues of galiellalactone

Nilsson, J., Gidlöf, R., Johansson, M. H. & Sterner, O., 2012, In: Tetrahedron. 68, 16, p. 3336-3341

Triazoloquinazolinones as novel high affinity ligands for the benzodiazepine site of GABA(A) receptors.

Nilsson, J., Gidlöf, R., Nielsen, E. Ø., Liljefors, T., Nielsen, M. & Sterner, O., 2011, In: Bioorganic & Medicinal Chemistry. 19, 1, p. 111-121

GALIELLALACTONE ANALOGUES – SYNTHESIS AND PROPERTIES

Gidlöf, R., 2010

Tandem Pd-Catalyzed Carbonylation and Intramolecular Vinyl Allene Diels-Alder Reaction toward Galiellalactone Analogues.

Gidlöf, R., Johansson, M. H. & Sterner, O., 2010, In: Organic Letters. 12, p. 5100-5103

Patent

- 2010 Bicyclic compounds and process of preparation - Invention discloses a novel process for preparation of bicyclic compounds, being useful as late intermediates in the synthesis of galiellalactone or related tricyclic compounds with biological activity, from acetylenic intermediates.
- 2010 Bicyclic compounds and process of preparation - Invention discloses a novel process for preparation of bicyclic compounds, being useful as late intermediates in the synthesis of galiellalactone or related tricyclic compounds with biological activity, from acetylenic intermediates.

Prices and awards

- 2007 AstraZeneca Excellence Award - one of 3 prizes for best masters thesis
- 2006 IUPAC poster prize, Organikerdagarna, Kalmar - Award for best poster