



Herman S Overkleeft

Kontakt

Herman S Overkleeft

Publikationen (17)

Besse L, Besse A, Kraus M, Maurits E, Overkleef H, Bornhauser B, Bourquin J, Driessen C. High Immunoproteasome Activity and sXBP1 in Pediatric Precursor B-ALL Predicts Sensitivity towards Proteasome Inhibitors. *Cells* 2021; 10

Besse L, Pilon M, Farhan H, Vulpe C, Overkleef H, Driessen C, Ståhlman M, Huber J, Bolomsky A, Ludwig H, Hannich J, Loguinov A, Everts B, Berkers C, Besse A, Borén J, Florea B, Sathianathan M, Stolze S, Sobh A, Zaal E, van der Ham A, Ruiz M, Phuyal S, Büchler L. Treatment with HIV-Protease Inhibitor Nelfinavir Identifies Membrane Lipid Composition and Fluidity as a Therapeutic Target in Advanced Multiple Myeloma. *Cancer Res* 2021; 81:4581-4593.

Xin B, Groll M, van der Marel G, Driessen C, Florea B, Kisselev A, Weyburne E, Janssens M, Du Y, Espinal C, Maurits E, Heinemeyer W, de Bruin G, Huber E, Overkleef H. Structure-Based Design of Inhibitors Selective for Human Proteasome β 2c or β 2i Subunits. *J Med Chem* 2019; 62:1626-1642.

Downey-Kopyscinski S, Overkleef H, Driessen C, Richardson P, Mitsiades C, Florea B, Bhatt A, Gautier M, Daily E, Kisselev A. An inhibitor of proteasome β 2 sites sensitizes myeloma cells to immunoproteasome inhibitors. *Blood Adv* 2018; 2:2443-2451.

Xin B, Groll M, Driessen C, van der Stelt M, Kisselev A, van der Marel G, Filippov D, Florea B, Besse A, Huber E, de Bruin G, Overkleef H. Structure-Based Design of β 5c Selective Inhibitors of Human Constitutive Proteasomes. *J Med Chem* 2016; 59:7177-87.

Xin B, Schimmack G, Du Y, Florea B, van der Marel G, Driessen C, Krappmann D, Overkleef H. Development of new Malt1 inhibitors and probes. *Bioorg Med Chem* 2016; 24:3312-29.

de Bruin G, Xin B, Kraus M, van der Stelt M, van der Marel G, Kisselev A, Driessen C, Florea B, Overkleef H. A Set of Activity-Based Probes to Visualize Human (Immuno)proteasome Activities. *Angew Chem Int Ed Engl* 2015; 55:4199-203.

de Bruin G, Groll M, van der Marel G, van der Stelt M, Driessen C, Kisselev A, Kim K, Al-Ayed K, van Rooden E, Xin B, Huber E, Overkleef H. Structure-based design of β 1i or β 5i specific inhibitors of human immunoproteasomes. *J Med Chem* 2014; 57:6197-209.

Geurink P, Overkleef H, Groll M, van der Stelt M, Driessen C, van der Marel G, Florea B, Mock E, Voges M, Blom A, de Bruin G, Gallastegui N, Mirabella A, van der Linden W, Kisselev A. Incorporation of non-natural amino acids improves cell permeability and potency of specific inhibitors of proteasome trypsin-like sites. *J Med Chem* 2013; 56:1262-75.

Clerc J, Overkleef H, Driessen C, Dudler R, Bachmann A, Huber R, Groll M, Kraus M, Florea B, Kaiser M. Syringolin A selectively labels the 20 S proteasome in murine EL4 and wild-type and bortezomib-adapted leukaemic cell lines. *Chembiochem : a European journal of chemical biology* 2009; 10:2638-43.

Reich M, van Swieten P, Sommandas V, Kraus M, Fischer R, Weber E, Kalbacher H, Overkleef H, Driessen C. Endocytosis targets exogenous material selectively to cathepsin S in live human dendritic cells, while cell-penetrating peptides mediate nonselective transport to cysteine cathepsins. *Journal of leukocyte biology* 2007; 81:990-1001.

van Zutphen S, Kraus M, Driessen C, van der Marel G, Overkleef H, Reedijk J. Probing the potential of platinum(II) complexes for the inhibition of thiol-dependent enzymatic activity. *Journal of inorganic biochemistry* 2005; 99:1384-9.

van Swieten P, Ploegh H, van der Marel G, Driessen C, Leeuwenburgh M, Kalbacher H, Wong C, Reich M, Kessler B, van den Nieuwendijk A, Maehr R, Overkleeft H. Development of an isotope-coded activity-based probe for the quantitative profiling of cysteine proteases. *Bioorganic & medicinal chemistry letters* 2004; 14:3131-4.

Lautwein A, Nordheim A, Kalbacher H, Weber E, Kammer W, Schwarz G, Overkleeft H, Brandenburg J, Burster T, Reich M, Kraus M, Driessen C. Human B lymphoblastoid cells contain distinct patterns of cathepsin activity in endocytic compartments and regulate MHC class II transport in a cathepsin S-independent manner. *Journal of leukocyte biology* 2004; 75:844-55.

Wiendl H, Tolosa E, Melms A, Lochmüller H, Overkleeft H, Weber E, Morgalla M, Wienhold W, Erfurth S, Krause S, Mitsdörffer M, Lautwein A, Driessen C. Antigen processing and presentation in human muscle: cathepsin S is critical for MHC class II expression and upregulated in inflammatory myopathies. *Journal of neuroimmunology* 2003; 138:132-43.

Greiner A, Lautwein A, Overkleeft H, Weber E, Driessen C. Activity and subcellular distribution of cathepsins in primary human monocytes. *Journal of leukocyte biology* 2003; 73:235-42.

Lautwein A, Burster T, Lennon-Duménil A, Overkleeft H, Weber E, Kalbacher H, Driessen C. Inflammatory stimuli recruit cathepsin activity to late endosomal compartments in human dendritic cells. *European journal of immunology* 2002; 32:3348-57.

Projekte (0)

Keine Resultate gefunden.

Kantonsspital St.Gallen

Rorschacher Strasse 95

CH-9007 St.Gallen

T: +41 71 494 11 11

support.forschung@kssg.ch