



Complete List of Publications

Number of publications: > 700

Number of citations: > 34.000

H-Index: 92

H. Kunz, H. Waldmann	1,3-Dithian-2-yl-methylester als Zweistufenschutzgruppe für die Carboxylfunktion bei der Peptidsynthese	Angew. Chem.	1983	95	47
H. Waldmann, H. Kunz	Allylester als selektiv abspaltbare Carboxylschutzgruppen in der Peptid- und N-Glycopeptidsynthese	Liebigs Ann. Chem.	1983		1712
H. Kunz, H. Waldmann	Die Allylgruppe als selektiv abspaltbare Carboxyl- Schutzgruppe zur Synthese empfindlicher O-Glycopeptide	Angew. Chem.	1984	96	49
H. Kunz, H. Waldmann	Synthesis of the Glycopeptide Partial Sequence A ⁸⁰ -A ⁸⁴ of Human Fibroblast Interferon	Helv. Chim. Acta	1985	68	283
H. Kunz, H. Waldmann	Directed Stereoselective Synthesis of α - and β -N-Acetyl-Neuraminic Acid-Galactose Disaccharides Using 2-Chloro- and 2-Fluoro Derivatives of Neuraminic Acid Allyl Ester	J. Chem. Soc. Chem. Commun.	1985		638
H. Kunz, H. Waldmann, C. Unverzagt	The Allyl Ester as a Temporary Protecting Group for the β -Carboxy Function of Aspartic Acid	Int. J. Peptide Protein Res.	1985	26	493
H. Kunz, H. Waldmann	Aufbau disaccharidischer N-Glycopeptide - Synthese der Verknüpfungsregion der Transmembran-Neuraminidase eines Influenza Virus	Angew. Chem.	1985	97	885
H. Kunz, H. Waldmann, C. Unverzagt	Synthesis of Glycopeptides Using the Allyl Ester and the Allyloxycarbonyl Group as Protecting Functions	Peptides 1986, Ed. D. Theodoropoulos, W. de Gruyter, Berlin	1986		615
M. D. Bednarski, H. Waldmann, G. M. Whitesides	Aldolase-Catalyzed Synthesis of Complex C8 and C9 Monosaccharides	Tetrahedron Lett.	1986	27	5807
H. Waldmann, D. Gyax, M. D. Bednarski, W. R. Shangraw, G. M. Whitesides	The Enzymic Utilization of Sucrose in the Synthesis of Amylose and Derivatives of Amylose, Using Phosphorylases	Carbohydr. REs.	1986	157	C4-C7
A. Akiyama, M. D. Bednarski, M.-J. Kim, E. S. Simon, H.	Enzymes in Organic Synthesis	Chem. Brit.	1987	23	645



Waldmann, G. M.
Whitesides

H. Waldmann, G. M. Whitesides	Enzymes in Organic Synthesis	Ullmanns Encyclopedia of Industrial Chemistry, 5th. Ed., Vol A9, Verlag Chemie, Weinheim	1987		341
N. Bischofberger, H. Waldmann, T. Saito, E. S. Simon, W. Lees, M. D. Bednarski, G. M. Whitesides	Synthesis of Analogues of 1,3-Dihydroxyacetone Phosphate and Glyceraldehyde-3- Phosphate for Use in Studies of Fructose-1,6-Diphosphate Aldolase	J. Org. Chem.	1988	53	3457
A. Akiyama, M. Bednarski, M.-J. Kim, E. S. Simon, H. Waldmann, G. M. Whitesides	Enzymes in Organic Synthesis	CHEMTECH	1988		627
H. Waldmann, H. Kunz	1,3-Dithian-2-yl-methyl Esters as Carboxy Protecting Groups in the Synthesis of N-Glycopeptides	J. Org. Chem.	1988	53	4172
H. Kunz, H. Waldmann, U. Klinkhammer	The Allyl Ester as Carboxy Protecting Group in the Stereoselective Construction of Neuraminic Acid Galactose	Helv. Chim. Acta	1988	71	1868
H. Waldmann	Aminosäuremethylester als chirale Auxiliare in Aza-Diels-Alder-Reaktionen in wässriger Lösung	Angew. Chemie	1988	100	307
H. Waldmann	The Use of Penicillin Acylase for Selective N-Terminal Deprotection in Peptide Synthesis	Tetrahedron Lett.	1988	29	1131
H. Waldmann	S)-Proline Benzyl Ester as Chiral Auxiliary in Lewis Acid Catalyzed Diels-Alder Reactions	J. Org. Chem.	1988	53	6133
H. Waldmann	Der Phenylacetyl-(PhAc)-Rest als enzymatisch ablösbare Schutzgruppe für Peptide und Kohlenhydrate: Selektive Schutzgruppenabspaltungen mit Penicillin Acylase	Liebigs Ann. Chem.	1988		1175
H. Waldmann	The Use of Penicillin Acylase for Selective N-Terminal Deprotection in Peptide Synthesis	Peptides 1988, W. de Gruyter, Berlin	1989		272
H. Kunz, S. Friedrich-Bochnitsche k, H. Waldmann und	The Allyloxycarbonyl (Aloc) Group and Allyl Esters as Protecting Functions in the Synthesis of Peptides and	Chemistry of Peptides and Proteins, Vol. 4, S. 119, Attempto	1989		



C. Unverzagt	Glycopeptides	Verlag, Tübingen			
H. Kunz, H. Waldmann, J. März	Synthese von N-Glycopeptid-Partialstrukturen der Verknüpfungsregion sowohl der Transmembran-Neuraminidase eines Influenza-Virus als auch des Faktors B des menschlichen Komplementsystems	Liebigs Ann. Chem.	1989		45
S. Friedrich-Bochnitschek, H. Waldmann, H. Kunz	Allyl Esters as Carboxy Protecting Groups in the Synthesis of O-Glycopeptides	J. Org. Chem.	1989	54	751
M. Bednarski, E. S. Simon, N. Bischofberger, W.-D. Fessner, M.-J. Kim, W. Lees, T. Saito, H. Waldmann, G. M. Whitesides	Rabbit Muscle Aldolase as a Catalyst in Organic Synthesis	J. Am. Chem. Soc.	1989	111	627
H. Waldmann	Asymmetrische Hetero-Diels-Alder-Reaktionen in wässriger Lösung unter Verwendung von Aminosäureestern als chiralen Auxiliaren	Liebigs Ann. Chem.	1989		231
H. Waldmann	A New Access to Chiral 2-Furylcarbinols by Enantioselective Hydrolysis with Penicillin Acylase	Tetrahedron Lett.	1989	30	3057
H. Waldmann, M. Dräger	On the Enhancement of Stereoselection by Cooperation Between Chiral Auxiliaries. Asymmetric Diels-Alder Reactions with Fumaric Acid Bis((S)-Proline Benzyl Ester) Amide	Tetrahedron Lett.	1989	30	4227
H. Kunz, C. Unverzagt, B. Dombo, W. Kosch, H. Waldmann	Synthesis of Glycopeptide Partial Structures of Virus Coat Glycoproteins	Chemistry of Peptides and Proteins, Vol. 5	1989		
H. Kunz, P. Wernig, M. Schilling, J. März, C. Unverzagt, S. Birnbach, U. Lang, H. Waldmann	Synthetic Tumor-Associated Glycopeptide Antigens	Environmental Health Perspectives	1990	88	247-249
H. Waldmann, M. Braun, M. Dräger	Aminosäureester als chirale Hilfsgruppen in Lewis-Säure-katalysierten Umsetzungen elektronenreicher Siloxydiene mit Iminen	Angew. Chem.	1990	102	1445
H. Waldmann, J. März, H. Kunz	Synthesis of N-Acetylglucosaminylasparagine-Glycotri- and pentapeptides by Selective C- and N-terminal Elongation of the	Carbohydr. Res.	1990	196	75-93



Peptide Chain

K. von dem Bruch, H. Waldmann, H. Kunz	Glycopeptide - Chemische Synthese biologischer Informationsträger und molekularer Erkennungsstrukturen	Forsch. der Universität Mainz	1990		57
H. Waldmann, G. M. Whitesides	Enzymes in Organic Synthesis	Enzymes in Industry" (W. Gerhartz, Hrsg.), Verlag Chemie, Weinheim	1990		141
M. Schultz, H. Waldmann, W. Vogt, H. Kunz	Stereospecific C-C-Bond Formation with Rabbit Muscle Aldolase - A Chemoenzymatic Synthesis of (+)-Exo-Brevicomine	Tetrahedron Lett.	1990	31	867
P. Braun, H. Waldmann, W. Vogt, H. Kunz	Selective Enzymatic Removal of Protecting Functions: n-Heptyl Esters as Carboxy Protecting Groups in Peptide Synthesis	SYNLETT	1990		105
H. Waldmann	Aminosäureester als chirale Hilfsgruppen in Lewis-Säure-katalysierten Diels-Alder-Reaktionen	Liebigs Ann. Chem.	1990		671
H. Waldmann, M. Dräger	Thermische Diels-Alder-Reaktionen mit N-(2-Alkenoyl)-(S)-prolinestern als chiralen Dienophilen in organischen und wässrigen Reaktionsmedien	Liebigs Ann. Chem.	1990		681
H. Waldmann	Proline Benzyl Ester as Chiral Auxiliary in Barbier-Type Reactions in Aqueous Solution	SYNLETT	1990		627
M. Schultz, H. Waldmann, H. Kunz, W. Vogt	Chemoenzymatische "Chiral-Pool"-Synthese von (+)-exo-Brevicomine aus Kohlenhydraten mit Fructose-1,6-diphosphat-Aldolase	Liebigs Ann. Chem.	1990		1017
H. Waldmann	Prolin-benzylester als chirale Hilfsgruppe in asymmetrischen 1,3-dipolaren Cycloadditionen mit Nitriloxiden	Liebigs Ann. Chem.	1990		1013
H. Kunz, H. Waldmann	Protecting Groups	Comprehensive Organic Chemistry, Pergamon Press, London	1991		631
P. Braun, H. Waldmann, W. Vogt, H. Kunz,	Selektive enzymatische Schutzgruppenabspaltungen: Der n-Heptylester als Carboxyl-schutzgruppe in der Peptidsynthese	Liebigs Ann. Chem.	1991		165
H. Waldmann, M. Braun	Amino Acid Esters as Chiral Auxiliaries in Cycloaddition Reactions	Gazz. Chim. Ital	1991	121	277



H. Waldmann	Enzymatic Protecting Group Techniques	Kontakte (Merck)	1991	2	33
H. Waldmann	Aminosäureester als chirale Hilfsgruppen	GIT Fachzeitschrift für das Laboratorium	1991	35	593
H. Waldmann, M. Braun	Asymmetric Synthesis of Bicyclic Amino Acid Derivatives by Aza-Diels-Alder-Reactions in Aqueous Solution	Liebigs Ann. Chem.	1991		1045
H. Waldmann, M. Braun, M. Dräger	Asymmetric Aza-Diels-Alder-Reactions of Amino Acid Ester Imines with Brassards Diene	Tetrahedron Asymmetry	1991	2	1991
H. Waldmann	Aminosäureester als chirale Hilfsgruppen bei Barbier-Reaktionen in wässriger Lösung	Liebigs Ann. Chem.	1991		1317
H. Waldmann	LiClO ₄ in Ether - ein ungewöhnliches Lösungsmittel	Angew. Chem.	1991	103	1335
H. Waldmann, M. Braun, M. Weymann, M. Gewehr	An Approach to the Skeleton of Yohimbine-Type Alkaloids via Mannich-Michael Reactions with Indolyethyl-Imines	Synlett	1991		881
H. Waldmann, P. Braun, H. Kunz,	New Enzymatic Protecting Group Techniques for the Construction of Peptides and Glycopeptides	Biomed. Biochim. Acta	1991	50	243-248
P. Braun, H. Kunz, H. Waldmann	New Enzymatic Protecting Group Techniques for the Construction of Peptides and Glycopeptides	Peptides: Chemistry and Biology (Proceedings of the 12th American Peptide Symposium, Cambridge 1991)" (J. A. Smith und J. E. Rivier, Hrsg.), Escom, Leiden	1992		527
P. Braun, H. Waldmann, H. Kunz	Selective Enzymatic Removal of Protecting Functions: Heptyl Esters as Carboxy Protecting Groups in Glycopeptide Synthesis	Synlett	1992		39
H. Waldmann, M. Braun	Amino Acid Ester Imines as Chiral Auxiliaries in Tandem Mannich-Michael Reactions with Danishefskys Diene	J. Org. Chem.	1992	57	5444
H. Waldmann, A. Heuser, P. Braun, M. Schultz	Neue enzymatische Methoden für die Kohlenhydratchemie	GIT Fachzeitschrift für das Laboratorium	1992	36	908
H. Waldmann, A. Heuser, P. Braun, H. Kunz	New Enzymatic Protecting Group Techniques for Peptide and Glycopeptide Chemistry	Indian J. Chem.	1992	31B	799
H. Waldmann, A.	New Enzymatic Methods for the	Microbial Reagents in	1992		113



Heuser, P. Braun, M. Schultz, H. Kunz	Selective Functionalization of Carbohydrate Derivatives	Organic Synthesis", NATO ASI Series, Kluwer, Dordrecht			
H. Waldmann, P. Braun, H. Kunz	New Enzymatic Protecting Group Techniques for the Construction of Peptides and Glycopeptides	Chemistry of Peptides and Proteins	1993	5/6 (Pt. A)	227-235
H. Waldmann	Amino Acid Esters as Chiral Auxiliary Groups I and II	Kontakte (Merck)	1993		
H. Waldmann, A. Reidel	Enzymatic Protecting Group Techniques	J. Prakt. Chem.	1993	335	109-127
H. Waldmann, M. Braun, M. Weymann, M. Gewehr	Asymmetric Synthesis of Indolo[2,3-a]quinolizidin-2-ones - Congeners to Yohimbine-Type Alkaloids	Tetrahedron	1993	49	397
R. Lock, H. Waldmann	Construction of Tetracyclic Indole Bases via Aza Diels-Alder Reactions of Indolylethylimines with Brassard's Diene	Nat. Prod. Lett.	1993	2	49
H. Waldmann, G. Schmidt, M. Jansen, J. Geb	Asymmetric Pictet-Spengler Reactions Employing Amino Acid Esters as Mediators of Selectivity	Tetrahedron Lett.	1993	34	5867
P. Braun, H. Waldmann, H. Kunz	Chemoenzymatic Synthesis of O-Glycopeptides Carrying the Tumor Associated T _N -Antigen Structure	Bioorg. Med. Chem.	1993	1	197
H. Waldmann, A. Heuser, A. Reidel	Selective Enzymatic Deprotection of Hydroxy- and Amino Groups in Carbohydrates and Nucleosides	Synlett	1994		65
H. Waldmann, E. Bläser, M. Jansen, H.-P. Letschert	Asymmetrische Synthese hochsubstituierter Pyrrolidine durch 1,3-dipolare Cycloaddition von Azomethinyliden an N-Acryloylprolinbenzylester	Angew. Chem.	1994	106	717
H. Waldmann, R. Lock	Construction of Tetracyclic Indole Bases via Aza Diels-Alder Reactions of Indolylethylimines with Brassard's Diene	Liebigs Ann. Chem.	1994		511
H. Waldmann, A. Heuser	Acetylesterase from Orange Peel as Biocatalyst for the Chemo- and Regioselective Deprotection of Carbohydrates	Bioorg. Med. Chem.	1994	2	477-482
H. Waldmann, D. Sebastian	Enzymatic Protecting Group Techniques	Chem. Rev.	1994	94	911-937
H. Waldmann	Asymmetric Hetero Diels-Alder Reactions	Synthesis	1994		535
T. Pohl, E. Nägele, H. Waldmann	Biocatalysts as Chemo- and Regioselecting Tools in Organic Synthesis	Catalysis Today	1994	22	407



H. Waldmann, G. Schmidt, M. Jansen, J. Geb	Asymmetric Steering of the Pictet-Spengler Reaction by Means of Amino Acid Esters as Chiral Auxiliary Groups	Tetrahedron	1994	50	11865
H. Waldmann, G. Böhm, U. Schmid,	O-Glycosidsynthesen unter neutralen Bedingungen in konzentrierten Lösungen von LiClO ₄ in organischen Solvenzien	Angew. Chem.	1994	106	2024
H. Waldmann, M. Weigerding, C. Dreisbach, C. Wandrey	C ₂ -Symmetric Bicyclic Diols as Chiral Ligands in the Titanate-Catalyzed Enantioselective Addition of Alkylzinc Reagents to Aldehydes	Helv. Chim. Acta	1994	77	2111
G. Giffels, C. Dreisbach, U. Kragl, M. Weigerding, H. Waldmann, C. Wandrey	Chirale Titanalkoxide als Katalysatoren zur enantioselektiven Reduktion von Ketonen mit Boranen	Angew. Chem.	1995	107	2165
H. Waldmann, E. Nägele	Synthesis of the Palmitoylated and Farnesylated C-Terminal Lipohexapeptide of the Human N-Ras Protein by Employing an Enzymatically Removable Urethane Protecting Group	Angew. Chem. / Angew. Chemie Int. Ed.	1995	107/34	2425-2428/2259-2262
H. Waldmann, G. Schmidt, H. Henke, M. Burkard	Asymmetrische Steuerung der Pictet-Spengler-Reaktion unter Verwendung von N,N-Phthaloylaminosäuren als chirale Hilfsgruppen	Angew. Chem.	1995	107	2608
H. Waldmann, E. Bläser, M. Jansen, H.-P. Letschert	Asymmetric Steering of 1,3-Dipolar Cycloaddition Reactions by Means of Proline Esters as Chiral Auxiliary Groups	Chem. Eur. J.	1995	1	150
M. Nettekoven, M. Psiorz, H. Waldmann	Synthesis of Enantiomerically Pure 4-Alkylsubstituted Tryptophan Derivatives by a Combination of Organometallic Reactions with Enantioselective Enzymatic Transformations	Tetrahedron Lett.	1995	36	1425
T. Pohl, H. Waldmann	Enhancement of the Enantioselectivity of Penicillin G-Acylase from E. coli by "Substrate Tuning"	Tetrahedron Lett.	1995	36	2963
G. Böhm, H. Waldmann	Synthesis of Glycosides of Fucose under Neutral Conditions in Solutions of LiClO ₄ in Organic Solvents	Tetrahedron Lett.	1995	36	3843
H. Waldmann	Asymmetric Synthesis of Nitrogen Heterocycles Employing Amino Acid Esters as Chiral Auxiliary Groups	Synlett	1995		133
H. Waldmann	Enzymatische Synthese von Peptidkonjugaten - Werkzeuge zum	"45 Jahre Fonds der Chemischen	1995		133



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Industrie“

A. Flohr, H. Waldmann	LiClO ₄ and Organic Solvents - A Powerful Combination	J. Prakt. Chem.	1995	337	609
H. Waldmann, K. Drauz, Hrsg.	Enzymatic Protecting Group Techniques" H. Waldmann in "Enzyme Catalysis in Organic Synthesis: A Comprehensive Handbook	Verlag Chemie, Weinheim	1995		
M. Schelhaas, S. Glomsda, M. Hänslar, H.-D. Jakubke, H. Waldmann	Enzymatische Synthese von Peptiden und Ras-Lipopeptiden unter Verwendung des Cholinesters als löslichkeitsvermittelnder Schutz- und Aktivierungsgruppe	Angew. Chem. / Angew. Chem. Int. Ed.	1996	108/3 5	82-85 / 106-109
M. Schelhaas, H. Waldmann	Schutzgruppenstrategien in der Organischen Synthese	Angew. Chem. / Angew. Chem. Int. Ed.	1996	108 / 35	2192-2219 / 2056-2083
T. Pohl, H. Waldmann	Enzymatische Synthese eines charakteristischen phosphorylierten und glycosylierten Peptidfragments der großen katalytischen Untereinheit der RNA-Polymerase II	Angew. Chem. / Angew. Chem. Int. Ed.	1996	108 / 35	1829 / 1729-1722
G. Schmidt, H. Waldmann, H. Henke, M. Burkard	Asymmetric Steering of the Pictet-Spengler Reaction by Means of N-Protected Amino Acids as Chiral Auxiliary Groups	Chem. Eur. J.	1996	2	1566-1571
G. Böhm, H. Waldmann	O-Glycoside Synthesis Under Neutral Conditions in Concentrated Solutions of LiClO ₄ in Organic Solvents Employing Benzyl-Protected Glycosyl Donors	Liebigs Ann. Chem.	1996		613
G. Böhm, H. Waldmann	O-Glycoside Synthesis Under Neutral Conditions in Concentrated Solutions of LiClO ₄ in Organic Solvents Employing Acyl-Protected Glycosyl Donors	Liebigs Ann. Chem.	1996		621
R. Lock, H. Waldmann	Asymmetric Synthesis of Highly Functionalized Tetracyclic Indole Bases Embodying the Basic Skeleton of Yohimbine- and Reserpine Type Alkaloids	Tetrahedron Lett.	1996		2753
G. Müller, H. Waldmann	An Enzyme Initiated Domino Hydroxylation Oxidation Carbo Diels-Alder Reaction Cascade	Tetrahedron Lett.	1996		3833
U. Schmid, H. Waldmann	Activation of Glycosyl Phosphates by in situ Conversion to Glycosyl Iodides under Neutral Conditions in Concentrated Solutions of LiClO ₄ in Organic Solvents	Tetrahedron Lett.	1996		3837



H. Waldmann, A. Heuser, S. Schulze	Selective Enzymatic Removal of Protecting Groups: The Phenylacetamide as Amino Protecting Group in Phosphopeptide Synthesis	Tetrahedron Lett.	1996	37	8725-8728
H. Waldmann, E. Nägele, M. Schelhaas, D. Sebastian	Enzymatic Synthesis of Peptide Conjugates - Tools for the Study of Signal Transduction Processes	in „Peptides - Chemistry, Structure and Biology“ (Hrsg.: P. T. P. Kaumaya und R. Hodges), Mayflower, Kingswinford	1996		397
K. Drauz, H. Waldmann, B. Sauerbrei	Biocatalysis and Enzyme-Analogous Processes	in „Applied Homogeneous Catalysis with Organometallic Compounds“ (Hrsg. B. Cornils und W. A. Hermann), VCH	1996		768
H. Waldmann, A. Reidel	Die Phenylacetamido(PhAc)-Gruppe - Die erste enzymatisch abspaltbare Aminoschutz-gruppe für die Deblockierung von Oligonucleotiden in Lösung und an der festen Phase	Angew. Chem. / Angew. Chem. Int. Ed.	1997	109 / 36	642-644/ 647-649
T. Zelinski, H. Waldmann	Quervernetzte Enzymkristalle (CLECs): Effiziente und stabile Biokatalysatoren für die präparative organische Chemie	Angew. Chem. / Angew. Chem. Int. Ed.	1997	109 / 36	746-748/ 722-724
H. Waldmann, K. Hinterding, P. Herrlich, H. J. Rahmsdorf, A. Knebe	Selective Inhibition of Receptor Tyrosine Kinases by Synthetic Analogs of Aeropylsinin	Angew. Chem.	1997	109	1553-1555
H. Waldmann, M. Schelhaas, E. Nägele, J. Kuhlmann, A. Wittinghofer, H. Schroeder, J. R. Silvius	Chemoenzymatic Synthesis of Fluorescent N-Ras Lipopeptides and their Use in Membrane Localization Studies in vivo	Angew. Chem./Angew. Chem. Int. Ed.	1997	109/ 36	2324 2238-2241
T. Pohl, H. Waldmann	Chemoenzymatic Synthesis of a Characteristic Phosphorylated and Glycosylated Fragment of the Large Subunit of Mammalian RNA Polymerase II	J. Am. Chem. Soc.	1997	119	6702-6710
H. Waldmann, S. Gabold	Chemoenzymatic Synthesis of Nucleopeptides	J. Chem. Soc. Chem. Comm.	1997		1861
R. Lock, H. Waldmann	Enantioselective Construction of Highly Functionalized Indoloquinolizines - Congeners to Polycyclic Indole Alkaloids	Chem. Eur. J.	1997	3	143-151



H. Schroeder, R. Leventis, S. Rex, M. Schelhaas, E. Nägele, H. Waldmann, J. R. Silvius	S-Acylation and Plasma Membrane Targeting of the Farnesylated Carboxyl-terminal Peptide of N-Ras in Mammalian Fibroblasts	Biochemistry	1997	36	13102-13109
P. Stöber, M. Schelhaas, E. Nägele, P. Hagenbuch, J. Rétey, H. Waldmann,	Synthesis of Characteristic Liopeptides of the Human N-Ras Protein and their Evaluation as Possible Inhibitors of Protein Farnesyl Transferase	Bioorg. Med. Chem.	1997	5	75
T. Kappes, H. Waldmann	Enzymatic Synthesis of Peptide Conjugates - Tools for the Study of Biological Signal Transduction	Liebigs Ann. Chem.	1997		808-813
D. Sebastian, H. Waldmann	Chemoenzymatic Synthesis of a Characteristic Phosphopeptide Fragment of the human c-Raf-Kinase	Tetrahedron Lett.	1997	38	2927-2930
S. Kirschbaum, H. Waldmann	Construction of the Tricyclic Benzoquinolizine Ring System by Combination of a Tandem Mannich-Michael Reaction with a Heck Reaction	Tetrahedron Lett.	1997	38	2829-2832
D. Sebastian, A. Heuser, S. Schulze, H. Waldmann	Selective Enzymatic Deprotection of Phosphopeptides - Chemoenzymatic Synthesis of a Characteristic Phosphopeptide Fragment of the Raf-1 Kinase	Synthesis	1997		1098
T. Kappes, H. Waldmann	The Tetrabenzylglucosyloxycarbonyl(BGloc) Group - An Enzyme Labile Carbohydrate Derived Urethane Blocking Group	Carbohydr. Res.	1997	305	341
U. Schmid, H. Waldmann	O-Glycoside Synthesis with Glycosyl Iodides under Neutral Conditions in 1M LiClO ₄ in CH ₂ Cl ₂	Liebigs Ann./Recueil	1997		2573-2577
B. Sauerbrei, T. Kappes, H. Waldmann	Enzymatic Synthesis of Peptide Conjugates - Tools for the Study of Biological Signal Transduction	Top. Curr. Chem.	1997	186	66-86
T. Zelinski, H. Waldmann	Cross-Linked Enzyme Crystals (CLECs) - Powerful Biocatalysts for Synthetic Chemistry	J. Prakt. Chem./Chem.-Ztg	1997	339	394-396
K. Hinterding, D. Alonso-Diáz, H. Waldmann	Organic Synthesis and Biological Signal Transduction	Angew. Chem. / Angew. Chem. Int. Ed.	1998	110 / 37	716-780 / 688-749
B. Sauerbrei, V. Jungmann, H. Waldmann	Entwicklung einer enzymaliblen Ankergruppe für organische Synthesen an polymeren Trägern	Angew. Chem. / Angew. Chem. Int. Ed.	1998	110 / 37	1187-1190 / 1143-1146



K. Hinterding, P. Hagenbuch, J. Rétey, H. Waldmann	Synthese und in vitro Evaluierung des Farnesyltransferase-Inhibitors Pepticcinnamin E	Angew. Chem. / Angew. Chem. Int. Ed.	1998	110 / 37	1298-1301/ 1236-1239
E. Nägele, M. Schelhaas, N. Kuder, H. Waldmann	Chemoenzymatic Synthesis of N-Ras Lipopeptides	J. Am. Chem. Soc.	1998	120	6889-6902
T. Schmittberger, A. Cotté, H. Waldmann	Synthesis of Characteristic Lipopeptides of Lipid Modified Proteins Employing the Allyl Ester as Protecting Group	J. Chem. Soc. Chem. Commun.	1998		937-938
H. Schene, H. Waldmann	Direct Synthesis of 2-Deoxy- and 2,6-Dideoxy Glycosides under Neutral Conditions in LiClO ₄ /Ether Mixtures	J. Chem. Soc. Chem. Commun.	1998		2759-2760
U. Schmid, H. Waldmann	Synthesis of Fucosyl Saccharides Under Neutral Conditions in Solutions of Lithium Perchlorate in Dichloromethane	Chem. Eur. J.	1998	4	494-501
G. H. Müller, A. Lang, D. R. Seithel, H. Waldmann	An Enzyme-Initiated Hydroxylation-Oxidation-Carbo-Diels-Alder Domino Reacion	Chem. Eur. J.	1998	4	2513-2522
S. Kirschbaum, H. Waldmann	A Three Step Access to the Tricyclic Benzoquinolizine Ring System	J. Org. Chem.	1998	63	4936-4946
V. Jungmann, H. Waldmann	An Enzymatic Protecting Group Strategy for the Synthesis of Nucleopeptides	Tetrahedron Lett.	1998	39	1139-1142
U. Schlede, M. Nazaré, H. Waldmann,	Efficient Enantioselective Synthesis of a β -Hydroxyepoxide Building Block for the Construction of Macrocyclic Natural Products	Tetrahedron Lett.	1998	39	1143-1144
D. Brohm, H. Waldmann	Stereoselective Synthesis of the Core Structure of the Protein Phosphatase Inhibitor Dysidiolide	Tetrahedron Lett.	1998		3995-3998
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L. Kötzner, M. Leutzsch, S. Sievers, S. Patil, H. Waldmann, Y. Zheng, W. Thiel, B. List	The Organocatalytic Approach to Enantiopure 2 <i>H</i> - and 3 <i>H</i> -Pyrroles: Inhibitors of the Hedgehog Signaling Pathway	Angew. Chem. Int. Ed.	2016	55	7693-7697
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A. Ursu, D. J. Illich, Y. Takemoto, A. T. Porfetye, M. Zhang, A. Brockmeyer, P. Janning, N. Watanabe, H. Osada, I. R. Vetter, S. Ziegler, H. R. Schöler, H. Waldmann	Epiblastin A Induces Reprogramming of Epiblast Stem Cells Into Embryonic Stem Cells by Inhibition of Casein Kinase 1	Cell Chemical Biology	2016	23	494-507
D. J. Illich, M. Zhang, A. Ursu, R. Osorno, K.-P. Kim, J. Yoon, M. J. Arauzo-Bravo, G. Wu, D. Esch, D. Sabour, D. Colby, K. S. Grassme, J. Chen, B. Greber, S. Höing, W. Herzog, S. Ziegler, I. Chambers, S. Gao, H. Waldmann, H.R. Schöler	Distinct Signaling Requirements for the Establishment of ESC Pluripotency in Late-Stage EpiSCs	Cell Reports	2016	15	787-800
M. Schürmann, P. Janning, S. Ziegler, H. Waldmann	Small-Molecule Target Engagement in Cells	Cell Chemical Biology	2016	23	435-441
K. Tschapalda, Y.-Q. Zhang, L. Liu, K. Golovkina, T. Schlemper, T. O. Eichmann, M. Lal- Nag, U. Sreenivasan, J. McLenithan, S. Ziegler, C. Sztalryd, A. Lass, D. Auld, B. Oliver, H. Waldmann, Z. Li, M. Shen, M. B. Boxer, M. Beller	A Class of Diacylglycerol Acyltransferase 1 Inhibitors Identified by a Combination of Phenotypic High-throughput Screening, Genomics, and Genetics	EBioMedicine	2016	8	49-59



M. Sellstedt, M. Schwalfenberg, S. Ziegler, A. P. Antonchick, H. Waldmann	Trienamine catalyzed asymmetric synthesis and biological investigation of a cytochalasin B-inspired compound collection	Org. & Biomol. Chem.	2016	14	50-54
P. Pérez-Gálan, H. Waldmann, K. Kumar	Building polycyclic indole scaffolds via gold(I)-catalyzed intra- and inter-molecular cyclization reactions of 1,6-enynes	Tetrahedron special issue Dr. Garg	2016	72	3647-3652
B. Sperlich, S. Kapoor, H. Waldmann, R. Winter, K. Weise	Regulation of K Ras4B Membrane Binding by Calmodulin	Biophysical Journal	2016	111	113-122
N. Erwin, B. Sperlich, G. Garivet, H. Waldmann, K. Weise, R. Winter	Lipoprotein Insertion into Membranes of Various Complexity: Lipid Sorting, Interfacial Adsorption and Protein Clustering	Phys. Chem. Chem. Phys.	2016	18	8954-8962
T. Mejuch, H. Waldmann	Synthesis of Lipidated Proteins (Review)	Bioconj. Chem.	2016	27	1771-1783
P. Schröder, J. O. Bauer, C. Strohmam, K. Kumar, H. Waldmann	Synthesis of an Iridoid-Inspired Compound Collection and Discovery of Autophagy Inhibitors	JOC	2016	81	10242-10255
M. Jaiswal, E. K. Fansa, S. K. Kösling, T. Mejuch, H. Waldmann, A. Wittinghofer	Novel Biochemical and Structural Insights into the Interaction of Myristoylated Cargo with Unc119 Protein and Their Release by Arl2/3	J. of Biol. Chem.	2016	291	20766-20778
P. M. Cromm, J. Spiegel, P. Küchler, L. Dietrich, J. Kriegesmann, M. Wendt, R. Goody, H. Waldmann, T.N. Grossmann	Protease-resistant and cell-permeable double-stapled peptides targeting the Rab8a GTPase	ACS Chemical Biology	2016	11	2375-2382
P.-Y. Dakas, H. Waldmann, K. Kumar	Natural Product Inspired Enantioselective Synthesis of Hexahydro-Aza-Pentalenones	Heterocycles	2016	Vol. 93	465-473
E. Valeur, S. M. Guéret, H. Adihou, R. Gopalakrishnan, M. Lemurell, H. Waldmann, Tom N. Großmann, A. T. Plowright	Review: New Modalities for Challenging Targets in Drug Discovery	Angew. Chem. Int. Ed/ Angew. Chem.	2017	56/12 9	10294-10323/ 10428-10459
L. Laraia, K. Ohsawa, G. Konstantinidis, L.	Discovery of Novel Cinchona-Alkaloid-Inspired Oxazatwistane Autophagy	Angew. Chem. Int. Ed.	2017	56	2145-2150



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P. Martín-Gago, E.K. Fansa, C. H. Klein, S. Murarka, P. Janning, M. Schürmann, M. Metz, S. Ismail, C. Schultz-Fademrecht, M. Baumann, P.I.H. Bastiaens, A. Wittinghofer, H. Waldmann	A PDE6 δ -KRas Inhibitor Chemotype with up to Seven H-Bonds and Picomolar Affinity that Prevents Efficient Inhibitor Release by Arl2	Angew. Chem. Int. Ed.	2017	56	2423-2428	
Z.-J. Jia, C. Merten, R. Gontla, C. G. Daniliuc, A. P. Antonchick, H. Waldmann	General Enantioselective C–H Activation Through Efficiently Tunable Cyclopentadienyl Ligands	Angew. Chem. Int. Ed.	2017	56	2429-2434	
T. Mejuch, G. Garivet, W. Hofer, N. Kaiser, E. K. Fansa, C. Ehrh, O. Koch, M. Baumann, S. Ziegler, A. Wittinghofer, H. Waldmann	Small Molecule Inhibition of the UNC119-Cargo Interaction	Angew. Chem. Int. Ed.	2017	56	6181-6186	
L. Robke, L. Laraia, M. A. Carnero Corrales, G. Konstantinidis, M. Muroi, A. Richters, M. Winzker, T. Engbring, S. Tomassi, N. Watanabe, H. Osada, D. Rauh, H. Waldmann, Y.-W. Wu, J. Engel	Phenotypic Identification of a Novel Autophagy Inhibitor Chemotype Targeting Lipid Kinase VPS34	Angew. Chem. Int. Ed.	2017	56	8153-8157	
M. Dwivedi; T. Mejuch; H. Waldmann, R. Winter	Lateral Organization of Host Heterogenous Raft-like Membranes Altered by the Myristoyl Modification of Tyrosine Kinase c-Src	Angew. Chem. Int. Ed.	2017	56	10511-10515	
H. Xu, L. Laraia, L. Schneider, K. Louven, C. Strohmann, A. P. Antonchick, H. Waldmann	Highly Enantioselective Catalytic Vinylogous Propargylation of Coumarins Yields a Novel Autophagy Inhibitor Class	Angew. Chem. Int. Ed. Angew. Chem.	2017	56 129	11232-11236 11384-11388	
L. Kremer, C. Schultz-Fademrecht, M. Baumann, P. Habenberger, A. Choidas, B. Klebl, S.	Discovery of a Novel Hedgehog Signaling Pathway through Cell-based Compound Discovery and Target Prediction	Angew. Chem. Int. Ed.	2017	56	13021-13025	



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Y.-C. Lee, S. Patil, C. Golz, C. Strohmann, S. Ziegler, K. Kumar, H. Waldmann	A ligand-directed divergent catalytic approach to establish structural and functional scaffold diversity	Nature Commun.	2017	8	DOI:10.1038/ncomms14043
A. Ursu, H. Schöler, H. Waldmann	Small-molecule phenotypic screening with stem cells	Nat. Chem. Biol.	2017	13	560-563
P. Martín-Gago, E.K. Fansa, M. Winzker, S. Murarka, P. Janning, C. Schütz-Fademrecht, M. Baumann, A. Wittinghofer, H. Waldmann	Covalent Protein Labeling at Glutamic Acids	Cell Chem. Biol.	2017	24/5	589-597e5
A. T. Plowright, C. Ottmann, M. Arkin, Y. P. Auberson, H. Timmerman, H. Waldmann	Joining Forces: The Chemical Biology-Medicinal Chemistry Continuum	Cell Chem. Biol.	2017	24	1058-1065
A. Sidarovich, C. L. Will, M. A. Anokhina, J. Ceballos, S. Sievers, D. E. Agafonov, T. Samatov, P. Bao, B. Kastner, H. Urlaub, H. Waldmann, R. Lührmann	Identification of a small molecule inhibitor that stalls splicing at an early step of spliceosome activation	eLife	2017	6	E23533
S. Mosalaganti, J. Keller, A. Altenfeld, M. Winzker, P. Rombaut, M. Saur, A. Petrovic, A. Wehenkel, S. Wohlgemuth, F. Müller, S. Maffini, T. Bange, F. Herzog, H. Waldmann, S. Raunser, A. Musacchio	Structure of the RZZ complex and molecular basis of its interaction with Spindly	J. Cell Biol.	2017	216	961-981
M. Dwivedi, T. Mejuch, H. Waldmann, R. Winter	The Myristoyl Modification of C-SRC Alters the Lateral Organization of Host Heterogenous Raft-Like Membranes	Bioph. J.	2017	112 (3)	326a
H. N. Rubaiy, M. J. Ludlow, M. Henrot, H.	Picomolar, selective and subtype-specific small-molecule inhibition of	J. of Biol. Chem.	2017	292 (20)	8158-8173



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N. E. Martinez, T.J. Zimmermann, C. Goosmann, T. Alexander, C. Hedberg, S. Ziegler, A. Zychlinsky, H. Waldmann	Tetrahydroisoquinolines: New Inhibitors of Neutrophil Extracellular Trap (NET) Formation	ChemBioChem	2017	18 (10)	888-893
T. Förster, S. López-Tosco, S. Ziegler, A. P. Antonchick, H. Waldmann	Enantioselective Organocatalytic Synthesis of a Secoyohimbane-Inspired Compound Collection with Neuritogenic Activity	ChemBioChem	2017	18	1098-1108
M. Sheremet, S. Kapoor, P. Schröder, K. Kumar, S. Ziegler, H. Waldmann	Small Molecules Inspired by the Natural Product Withanolides as Potent Inhibitors of Wnt Signaling	ChemBioChem	2017	18	1797-1806
L. Laraia, H. Waldmann	Natural Product Inspired Compound Collections: Evolutionary Principle, Chemical Synthesis, Phenotypic Screening, and Target Identification	DDT: Technologies	2017	23	75-82
P. Martín-Gago, E. K. Fansa, A. Wittinghofer, H. Waldmann	Structure-based development of PDE δ inhibitors	Biol. Chem.	2017	398 (5-6)	535-545
A. Pahl, H. Waldmann, K. Kumar	Exploring natural product fragments for drug and probe discovery	Chimia Int. J. Chem.	2017	71	653-660
K. Muraki, K. Ohnishi,	Na ⁺ entry through heteromeric	Nature – Scientific	2017	7	DOI:10.103



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Z.-J. Jia, C. Merten, S. Murarka, L. Knauer, C. Strohmann, H. Waldmann	Biology-Oriented Synthesis of Decahydro-4,8-epoxyazulene Scaffolds	Synlett (special issue, 80 th birthday V. Snieckus)	2017	28	2918-2922
S. Murarka, C. Golz, C. Strohmann, A. P. Antonchick, H. Waldmann	Biology-Oriented Synthesis of 3,3-Spiro (2-tetrahydrofuranyl)-oxindoles	Synthesis	2017	49	87-95
G. Karageorgis, E. S. Reckzeh, J. Ceballos, M. Schwalfenberg, S. Sievers, C. Ostermann, A. Pahl, S. Ziegler, H. Waldmann	Chromopyrones are pseudo natural product glucose uptake inhibitors targeting glucose transporters GLUT-1 and -3	Nat. Chem.	2018	10	1103-1111
Y.-C. Lee, K. Kumar, H. Waldmann	Minireview: Ligand-Directed Divergent Synthesis of Carbo- and Heterocyclic Ring Systems	Angew. Chem. Int. Ed.	2018	57/130	5212-5226/5308-5322
G. Shan, J. Flegel, H. Li, C. Merten, S. Ziegler, A. P. Antonchick, H. Waldmann	C-H Bond Activation for the Synthesis of Heterocyclic Atropisomers Yields Hedgehog Pathway Inhibitors	Angew. Chem. Int. Ed.	2018	57	14250-14254
Z.-J. Jia, G. Shan, C. G. Daniliuc, A. P. Antonchick, H. Waldmann	Enantioselective Synthesis of the Spirotrpanyl Oxindole Scaffold through Bimetallic Relay Catalysis	Angew. Chem. Int. Ed.	2018	57	14493-14497
L. Robke, Y. Futamura, G. Konstantinidis, J. Wilke, H. Aono, Z. Mahmoud, N. Watanabe, Y.-W. Wu, H. Osada, L. Laraia, H. Waldmann	Discovery of the novel autophagy inhibitor Aumitin that targets mitochondrial complex I	Chem. Sci.	2018	9	3014 - 3022
V. Pries, C. Nöcker, D. Khan, P. Johnen, Z. Hong, A. Tripathi, A.-L. Keller, M. Fitz, F. Perruccio, I. Filipuzzi,	Target Identification and Mechanism of Action of Picolinamide and Benzamide Chemotypes with Antifungal Properties	Cell Chem. Biol.	2018	25	279-290



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S. Brand, S. Roy, P. Schröder, B. Rathmer, J. Roos, S. Kapoor, S. Patil, C. Pommerenke, T. Maier, P. Janning, S. Eberth, D. Steinhilber, D. Schade, G. Schneider, K. Kumar, S. Ziegler, H. Waldmann	Combined Proteomic and <i>In Silico</i> Target Identification Reveal a Role for 5-Lipoxygenase in Developmental Signaling Pathways	Cell Chem. Biol	2018	25	1095-1106
L. Laraia, L. Robke, H. Waldmann	Review: Bioactive compound collections: from design to target identification	Chem	2018	4	705-730
N. Erwin, M. Dwivedi, T. Mejuch, H. Waldmann, R. Winter	UNC119A Decreases the Membrane Binding of Myristoylated c-Src	ChemBioChem	2018	19	1482-1487
Z.-J. Jia, H. Takayama, Y. Futamura, H. Aono, J. O. Bauer, C. Strohmman, A. P. Antonchick, H. Osada, H. Waldmann	Catalytic Enantioselective Synthesis of a Pyrrolizidine-Alkaloid-Inspired Compound Collection with Antiplasmodial Activity	J. Org. Chem.	2018	83	7033-7041
S. Y. Cheung, M.	TRPC4/TRPC5 channels mediate	Oncotarget	2018	9	29634-



Henrot, M. A-Saad, M. Baumann, H. Muller, A. Unger, H. N. Rubaiy, I. Mathar, K. Dinkel, P. Nussbaumer, B. Klebl, M. Freichel, B. Rode, S. Trainor, S. J. Clapcote, M. Christmann, H. Waldmann, S. K. Abbas, D. J. Beech, N.S. Vasudev	adverse reaction to the cancer cell cytotoxic agent (-)-Englerin A				29643
Y.-C. Lee, L. Knauer, K. Louven, C. Golz, C. Strohmann, H. Waldmann, K. Kumar	Gold(I)-Catalyzed and Nucleophile-Guided Ligand-directed Divergent Synthesis	Eur. J. Org. Chem..	2018		5688-5699
L. Robke, T. Rodriguez, P. Schröder, D. J. Foley, G. J. L. Bernardes, L. Laraia, H. Waldmann	Discovery of 2,4-dimethoxypyridines as novel autophagy inhibitors	Tetrahedron	2018	74	4531-4537
J. Wilke, T. Kawamura, N. Watanabe, H. Osada, S. Ziegler, H. Waldmann	Identification of cytotoxic, glutathione-reactive moieties inducing accumulation of reactive oxygen species via glutathione depletion	Bioorg. Med. Chem.	2018	26	1453-1461
P. Kuchler, G. Zimmermann, M. Winzker, J. Janning, H. Waldmann, S. Ziegler	Identification of novel PDE δ interacting proteins	Bioorg. Med. Chem	2018	26	1426-1434
K. Kumar, H. Waldmann	Nature Inspired Small Molecules for Chemical Biology	Israel Journal of Chemistry Doi:10.1002/ijch.201800105	2018		
H. N. Rubaiy, T. Seitz, S. Hahn, A. Choidas, P. Habenberger, B. Klebl, K. Dinkel, P. Nussbaumer, H. Waldmann, M. Christmann	Identification of an (-)-englerin A analogue, which antagonizes (-)-englerin A at TRPC1/4/5 channels	B. J. Pharm.	2018	175	830-839
G. Karageorgis, H. Waldmann	Biology-Oriented Synthesis	Book Chapter in: "Chemical and Biological Synthesis: Enabling Approaches for Understanding	2018		45-73



L. Laraia, H. Waldmann	Synthesis and target identification of natural product inspired compound collections	Book chapter "Chemical Biology of Natural Products"	2018		
E. S. Reckzeh, A. Brockmeyer, M. Metz, H. Waldmann, P. Janning	Target Engagement of Small Molecules: Thermal Profiling Approaches on Different Levels	In: Systems Chemical Biology, Methods and Protocols (Ziegler, Waldmann eds)	2018		73-92
S. Ziegler, H. Waldmann (editors)	Systems Chemical Biology, Methods and Protocols (Methods in Molecular Biology, Series Editor: John M. Walker)	Humana Press	2018		
H. Li, R. Gontla, J. Flegel, C. Merten, S. Ziegler, A. P. Antonchick, H. Waldmann	Enantioselective Formal C(sp ³)-H Bond Activation in the Synthesis of Bioactive Spiropyrazolone Derivatives	Angew. Chem. Int. Ed.	2019	58	307-311
V. Nemeč, M. Hylšová, L. Maier, J. Flegel, S. Sievers, S. Ziegler, M. Schröder, B.-T. Berger, A. Chaikuad, B. Valčíková, S. Uldrijan, S. Drápela, K. Soucek, H. Waldmann, S. Knapp, K. Paruch	Furo[3,2-b]pyridine – A Privileged Scaffold for Highly Selective Kinase Inhibitors and Effective Modulators of the Hedgehog Pathway	Angew. Chem. Int. Ed	2019	58	1062-1066
A. Friese, S. Kapoor, T. Schneidewind, S. Rao Vidadala, J. Sardana, A. Brause, T. Förster, M. Bischoff, J. Wagner, P. Janning, S. Ziegler, H. Waldmann	Chemical Genetics Reveals a Role of dCTP Pyrophosphatase 1 in Wnt Signaling	Angew. Chem. Int. Ed. https://doi.org/10.1002/anie.201905977	2019	58	13009-13013
A. Christoforow, J. Wilke, A. Binici, A. Pahl, C. Ostermann, S. Sievers, H. Waldmann	Design, Synthesis and Phenotypic Profiling of Pyrano-Furo-Pyridone Pseudo Natural Products	Angew. Chem. Int. Ed. 10.1002/anie.201907853 Angew. Chem. 10.1002/ange.201907853	2019	58	14715-14723
L. Kremer, E. Hennes, A. Brause, A. Ursu, L. Robke, H. T. Matsubayashi, Y.	Discovery of the Hedgehog Pathway Inhibitor Pipinib that Targets PI4KIIIβ	Angew. Chem. Int. Ed.	2019	58	16617-16628



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A. Friese, A. Ursu, A. Hochheimer, H. R. Schöler, H. Waldmann, J. M. Bruder	The Convergence of Stem Cell Technologies and Phenotypic Drug Discovery	Cell Chem. Biol.	2019	26	1050-1066
N. Kaiser, T. Mejuch, R. Fedoryshchak, P. Janning, E. W. Tate, H. Waldmann	Photoactivatable Myristic Acid Probes for UNC119-Cargo Interactions	ChemBioChem	2019	20	134-139
K. Kumar, H. Waldmann	Nature Inspired Small Molecules for Chemical Biology	Israel Journal of Chemistry Doi:10.1002/ijch.201800105	2019	59	41-51
T. Förster, E. Shang, K. Shimizu, E. Sanada, B. Schölermann, M. Hybecker, G. Hahne, M. Pascual Lopez-Alberca, P. Janning, N. Watanabe, S. Sievers, F. Giordanetto, T. Shimizu, S. Ziegler, H. Osada, H. Waldmann	2-Sulfonylpyrimidines target the kinesin HSET via cysteine alkylation	EJOC https://doi.org/10.1002/ejoc.201900586	2019		5486-5496
E. S.Reckzeh, A. Brockmeyer, M. Metz, H. Waldmann, P. Janning	Target Engagement of Small Molecules: Thermal Profiling Approaches on Different Levels	Methods Mol. Biol.	2019	1888	73-98
N. Kaiser, D. Corkery, Y. Wu, L. Laraia, H. Waldmann	Modulation of autophagy by the novel mitochondrial complex I inhibitor Authipyrin	Bioorg. Med. Chem.	2019	27	2444-2448
Y.-W. Wu, H. Waldmann	Toward the role of cholesterol and cholesterol transfer protein in autophagosome biogenesis	Autophagy DOI: 10.1080/15548627.2019.1666595	2019	15:12	2167-2168
P. Cromm, H. Adihou, S. Kapoor, M. Vazquez-Chantada, P. Davey, D.	Lipidated Stapled Peptides Targeting the Acyl Binding Protein UNC 119	ChemBioChem	2019	20	2987-2990



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A.V. Pobbati, T. Mejuch, S. Charkaborty, H. Karatas, S. R. Bharath, S. M. Gueret, P.-A. Goy, G. Hahne, A. Pahl, S. Sievers, E. Guccione, H. Song, H. Waldmann, W. Hong	Identification of Quinolins as Activators of TEAD-Dependent Transcription	ACS Chem. Biol.	2019	14	2909-2921
E. S. Reckzeh, H. Waldmann	Development of Glucose Transporter (GLUT) Inhibitors	EurJoc	2019	16	2321-2329
P. t'Hart, J. Openy, A. Krzyzanowski, H. Adihou, H. Waldmann	Hot-spot guided design of macrocyclic inhibitors of the LSD1-CoREST1 interaction	Tetrahedron	2019	75	130685
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S. Shaaban, H. Li, F. Otte, C. Strohmann, A. Antonchick, H. Waldmann	Enantioselective Synthesis of 5-Membered-Ring Atropisomers with Chiral Rh(III) Complexes	Org. Lett.	2020	22 (23)	9199-9202
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G. Karageorgis, D. J. Foley, L. Laraia, S. Brakmann, H. Waldmann	Minireview: Pseudo Natural Products – Chemical Evolution of Natural Product Structure	Angew. Chem. Int. Ed.	2021	60	15705-15723
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M. Grigalunas, A. Burhop, S. Zinken, A. Pahl, N. Wild, Y. Mantel, S. Sievers, D. J. Foley, R. Scheel, A. P. Antonchick, H. Waldmann	Natural Product Fragment Combination to Performance-Diverse Pseudo-Natural Products	Nat. Commun.	2021	12	1883 https://doi.org/10.1038/s41467-021-22174-4
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S. Ziegler, S. Sievers, H. Waldmann	Morphological Profiling of Small Molecules (Review)	Cell Chem Biol	2021	28	300-319
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A. López-Pérez, S. Freischem, I. Grimm, O. Weiergräber, A. Dingley, M. Pascual López-Alberca, H. Waldmann, W. Vollmer, K. Kumar, C. Vuong	Discovery of pyrrolidine-2,3-diones as novel inhibitors of <i>P. aeruginosa</i> PBP3	Antibiotics https://doi.org/10.3390/antibiotics10050529	2021	10	529
A. Krzyzanowski, R. Gasper, H. Adihou, P. t Hart, H. Waldmann	Biochemical Investigation of the Interaction of pICln, RioK1 and COPR5 with the PRMT5–MEP50 Complex	ChemBioChem.	2021	22	1908-1944
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C. Nöcker, N. Kaiser, D. Foley, S. Sievers, P. Janning, H. Waldmann, L. Laraia	Thermal proteome profiling efficiently identifies ribosome destabilizing oxazolidinones	Tetrahedron https://doi.org/10.1016/j.tet.2021.132118	2021	87	132118
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