



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. Gygax, M. D.	The Enzymic Utilization of Sucrose in the Synthesis of Amylose and	Carbohydr. REs.	1986	157	C4-C7



Bednarski, W. R. Shangraw, G. M. Whitesides	Derivatives of Amylose, Using Phosphorylases				
A. Akiyama, M. D. Bednarski, M.-J. Kim, E. S. Simon, H. Waldmann, G. M. Whitesides	Enzymes in Organic Synthesis	Chem. Brit.	1987	23	645
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	Liebigs Ann. Chem.	1988		1175



enzymatisch ablösbare Schutzgruppe
für Peptide und Kohlenhydrate:
Selektive Schutzgruppenabspaltungen
mit Penicillin Acylase

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-Bochnitschek, H. Waldmann und C. Unverzagt	The Allyloxycarbonyl (Aloc) Group and Allyl Esters as Protecting Functions in the Synthesis of Peptides and Glycopeptides	Chemistry of Peptides and Proteins, Vol. 4, S. 119, Attempto Verlag, Tübingen	1989		
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.	Synthesis of Glycopeptide Partial	Chemistry of	1989		



Unverzagt, B. Dombo, W. Kosch, H. Waldmann	Structures of Virus Coat Glycoproteins	Peptides and Proteins, Vol. 5			
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- Glyc otri- and pentapeptides by Selective C- and N-terminal Elongation of the Peptide Chain	Carbohydr. Res.	1990	196	75-93
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-Brevicommin	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 Carboxylschutzgruppe 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	Synlett	1991	881



Indolyethyl-Imines

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. Heuser, P. Braun, M. Schultz, H. Kunz	New Enzymatic Methods for the Selective Functionalization of Carbohydrate Derivatives	Microbial Reagents in Organic Synthesis", NATO ASI Series, Kluwer, Dordrecht	1992		113
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	(1), 58 und (2), 34	
H. Waldmann, A. Reidel	Enzymatic Protecting Group Techniques	J. Prakt. Chem.	1993	335	109-127
H. Waldmann, M. Braun, M. Weymann,	Asymmetric Synthesis of Indolo[2,3-a]quinolizidin-2-ones - Congeners to	Tetrahedron	1993	49	397



M. Gewehr	Yohimbine-Type Alkaloids				
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	Acetylerase 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	Angew. Chem.	1994	106	2024



Solvenzien

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 Studium der biologischen Signaltransduktion	"45 Jahre Fonds der Chemischen Industrie"	1995		133



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. Hänslér, 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	108/35	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.	Activation of Glycosyl Phosphates by	Tetrahedron Lett.	1996		3837



Waldmann	in situ Conversion to Glycosyl Iodides under Neutral Conditions in Concentrated Solutions of LiClO ₄ in Organic Solvents				
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	J. Am. Chem. Soc.	1997	119	6702-6710



Glycosylated Fragment of the Large
 Subunit of Mammalian RNA
 Polymerase II

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, T. Kappes, 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
	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,	O-Glycoside Synthesis with Glycosyl	Liebigs Ann./Recueil	1997		2573-2577



H. Waldmann	Iodides under Neutral Conditions in 1M LiClO ₄ in CH ₂ Cl ₂				
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-Díaz, 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 enzymalbilien 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,	An Enzymatic Protecting Group	Tetrahedron Lett.	1998	39	1139-1142



H. Waldmann	Strategy for the Synthesis of Nucleopeptides				
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
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A. Ursu, H. Waldmann	Hide and seek: identification and confirmation of small molecule protein targets	Bioorg. Med. Chem. Lett.	2015	25	3079-3086
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S. Rao, H. Waldmann	One-pot synthesis of a natural product inspired pyrrolocoumarine compound collection by means of an intramolecular 1,3-dipolar cycloaddition as key step	Tetrah.Lett.	2015	56	3358-3360
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Y. Qian, M. Schürmann, P. Janning, C. Hedberg, H. Waldmann	Activity-Based Proteome Profiling Probes on Woodward's Reagent K with Distinct Target Selectivity	Angew. Chem. Int. Ed.	2016	55	7766-7771
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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G. Karageorgis, D. J. Foley, L. Laraia, H. Waldmann	Principle and design of pseudo-natural products:	Nat. Chem.	2020	12	227-235
H. Adihou, R. Gopalakrishnan, T. Förster, S. M. Guéret, R. Gasper, S. Geschwindner, C. C. Garcia, H. Karatas, A. V. Pobbati, M. Vazquez-Chantada, P. Davey, C. M. Wassvik, J. Kah Sheng Pang, B. Seng Soh, W. Hong, E. Chiarparin, D. Schade, A. T. Plowright, E. Valeur, M. Lemurell, T. N. Grossmann, H. Waldmann	A protein tertiary structure mimetic modulator of the Hippo signalling pathway	Nat. Commun.	2020	11	5425
E. S. Reckzeh, H. Waldmann	Small-Molecule Inhibition of Glucose Transporters GLUT-1-4	ChemBioChem	2020	21	45-52
H. Adihou, R. Gopalakrishnan, T. Förster, S. M.	A protein tertiary structure mimetic modulator of the Hippo signalling pathway	Nature Communications	2020	11	1-10



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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
O. Yildirim, M. Grigalunas, L. Brieger, C. Strohmann, A. P. Antonchick, H. Waldmann	Dynamic Catalytic Highly Enantioselective 1,3-Dipolar Cycloadditions	Angew. Chem. Int. Ed.	2021	60	20012-20020



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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. https://doi.org/10.1038/s41467-021-22174-4	2021	12	1883
A. Burhop, S. Bag, M. Grigalunas, S. Woitalla, P. Bodenbinder, L. Brieger, C. Strohmann, A. Pahl, S. Sievers H. Waldmann	Synthesis of Indofulvin Pseudo-Natural Products Yields a New Autophagy Inhibitor Chemotype	Advanced Science, DOI: 10.1002/adv.202102042	2021	8	20102042
S. Ziegler, S. Sievers, H. Waldmann	Morphological Profiling of Small Molecules (Review)	Cell Chem Biol	2021	28	300-319
T. Schneidewind, A. Brause, S. Sievers, A. Pahl, M.G. Sankar, M. Winzker, P. Janning, K. Kumar, S. Ziegler, H. Waldmann	Combined morphological and proteome profiling reveals target-independent impairment of cholesterol homeostasis	Cell Chem. Biol. https://doi.org/10.1016/j.chembiol.2021.06.003	2021	28	1780-1794
J. Wilke, T. Kawamura, H. Xu, A. Brause, A. Friese, M. Metz, D. Schepmann, B. Wünsch, A. Artacho-Cordón, F. R. Nieto, N. Watanabe, H. Osada, S. Ziegler, H. Waldmann	Discovery of a novel σ_1 receptor antagonist by combination of unbiased Cell Painting and thermal proteome profiling	Cell Chem. Biol. https://doi.org/10.1016/j.chembiol.2021.01.009	2021	28	848-854
M.A. Carnero Corrales, S. Zinken, G. Konstantinidis, M. Rafehi, A. Abdelrahman, Y.-W.	Thermal Proteome Profiling Identifies the Membrane-Bound Purinergic Receptor P2X4 as a Target of the Autophagy Inhibitor Indophagolin	Cell Chem. Biol.	2021	28	1750-1754



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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
J.M. Gally, A. Pahl, H. Waldmann	Identifying Bioactivity of Pseudo-Natural Products using the Cell Painting Assay	ARKIVOC	2021		Part iv, 89-104
Gally, J.M., Pahl, A., Czodrowski, P., Waldmann, H.	Pseudonatural Products Occur Frequently in Biologically Relevant Compounds	J. Chem. Inf. Model. https://doi.org/10.1021/acs.jcim.1c01084	2021	61	5458-5468
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M. Grigalunas, S. Brakmann, H. Waldmann	Perspective: Chemical Evolution of Natural Product Structure	J. Am. Chem. Soc.	2022	144	3314-3329
M. Akbarzadeh, I. Deipenwisch, B. Schölermann, A. Pahl, S. Siever, S. Ziegler, H. Waldmann	Morphological Profiling by Means of Cell Painting Assay Enables Identification of Tubulin-Targeting Compounds	Cell Chem. Biol.	2022	29	1053-1064.e3
Wessler, F., Riege, D., Puthanveedu, M., Halver, J., Müller, E., Bertrand, J., Antonchick, A., Sievers, S., Waldmann, H., Schade, D.	Probing Embryonic Development Enables the Discovery of Unique Small-Molecule Bone Morphogenetic Protein Potentiators	J. Med. Chem.	2022	65	3978-3990



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Identification of a Small Molecule That
Enhances Ferroptosis via
Inhibition of Ferroptosis Suppressor
Protein 1 (FSP1)

Inhibition of glucose uptake blocks
proliferation but not cytotoxic activity of
NK cells

Ketones as strategic building blocks for
the synthesis of natural product-
inspired compounds

Asymmetric Catalysis with Chiral
Cyclopentadienyl Complexes to
Access Privileged Scaffolds

IMI European Lead Factory —
democratizing access to
highthroughput screening

Morphological profiling identifies the
motor protein Eg5 as cellular target of
spirooxindoles

Synthetic Matching of Complex
Monoterpene Indole Alkaloid Chemical
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Morphological Subprofile Analysis for
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Programming inactive RNA-binding
small molecules into bioactive
degraders

Spacial Score – A Comprehensive
Topological Indicator for Small
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Discovery of a Drug-like, Natural
Product-Inspired DCAF11 Ligand
Chemotype

A highly enantioselective
intramolecular 1,3-dipolar cycloaddition
yields novel pseudo-natural product

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