

Malgorzata Pawelczak

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

350
citations

840776
11
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23
all docs

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docs citations

23
times ranked

405
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure-Guided, Single-Point Modifications in the Phosphinic Dipeptide Structure Yield Highly Potent and Selective Inhibitors of Neutral Aminopeptidases. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 8140-8151.	6.4	49
2	±-Aminoalkylphosphonates as a tool in experimental optimisation of P1 side chain shape of potential inhibitors in S1 pocket of leucine- and neutral aminopeptidases. <i>European Journal of Medicinal Chemistry</i> , 2005, 40, 764-771.	5.5	43
3	Unnatural amino acids increase activity and specificity of synthetic substrates for human and malarial cathepsin C. <i>Amino Acids</i> , 2014, 46, 931-943.	2.7	37
4	Individual stereoisomers of phosphinic dipeptide inhibitor of leucine aminopeptidase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 1550-1554.	2.2	28
5	A synthetic method for diversification of the P1 ² substituent in phosphinic dipeptides as a tool for exploration of the specificity of the S1 ² binding pockets of leucine aminopeptidases. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 3187-3200.	3.0	26
6	Stereoselective synthesis of 1-aminoalkanephosphonic acids with two chiral centers and their activity towards leucine aminopeptidase. <i>Chirality</i> , 2003, 15, S104-S107.	2.6	24
7	A structural insight into the P1 S1 binding mode of diaminoethylphosphonic and phosphinic acids, selective inhibitors of alanine aminopeptidases. <i>European Journal of Medicinal Chemistry</i> , 2016, 117, 187-196.	5.5	24
8	Synthesis and activity of phosphinic tripeptide inhibitors of cathepsin C. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 3113-3116.	2.2	20
9	Purification and partial characterization of aminopeptidase from barley (<i>Hordeum vulgare</i> L.) seeds. <i>Plant Physiology and Biochemistry</i> , 2013, 65, 75-80.	5.8	15
10	Synthesis of Tetrapeptide-nitrophenylanilides containing dehydroalanine and dehydrophenylalanine and their influence on cathepsin C activity. <i>Journal of Peptide Science</i> , 2001, 7, 141-145.	1.4	12
11	A three-component Mannich-type condensation leading to phosphinic dipeptides ² extended transition state analogue inhibitors of aminopeptidases. <i>Tetrahedron Letters</i> , 2011, 52, 3141-3145.	1.4	12
12	Unusual activity pattern of leucine aminopeptidase inhibitors based on phosphorus containing derivatives of methionine and norleucine. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2011, 26, 155-161.	5.2	11
13	Synthesis of dehydrodipeptide esters and their evaluation as inhibitors of cathepsin C. <i>Medicinal Chemistry Research</i> , 2015, 24, 3157-3165.	2.4	9
14	Toward very potent, non-covalent organophosphonate inhibitors of cathepsin C and related enzymes by 2-amino-1-hydroxy-alkanephosphonates dipeptides. <i>Biochimie</i> , 2013, 95, 1640-1649.	2.6	8
15	Substrate specificity screening of oat (<i>Avena sativa</i>) seeds aminopeptidase demonstrate unusually broad tolerance in S1 pocket. <i>Plant Physiology and Biochemistry</i> , 2012, 54, 6-9.	5.8	6
16	Substituted phosphonic analogues of phenylglycine as inhibitors of phenylalanine ammonia lyase from potatoes. <i>Biochimie</i> , 2018, 151, 119-127.	2.6	6
17	Phosphonic Acid Analogues of Phenylglycine as Inhibitors of Aminopeptidases: Comparison of Porcine Aminopeptidase N, Bovine Leucine Aminopeptidase, Tomato Acidic Leucine Aminopeptidase and Aminopeptidase from Barley Seeds. <i>Pharmaceuticals</i> , 2019, 12, 139.	3.8	6
18	Addition of thiols to the double bond of dipeptide C-terminal dehydroalanine as a source of new inhibitors of cathepsin C. <i>Biochimie</i> , 2017, 139, 46-55.	2.6	4

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19	Influence of bioremediation stimulators in soil on development of oat seedlings (<i>Avena sativa</i>) and their aminopeptidase activity / Wpływ pozostałości substancji ropopochodnych w glebie na rozwój owsa i aktywność aminopeptydaz... Archives of Environmental Protection, 2015, 41, 24-28.	1.1	3
20	The influence of \pm -aminophosphonic acids on the activity of aminopeptidase from barley seeds – an approach to determine the enzyme specificity. Acta Physiologiae Plantarum, 2015, 37, 1.	2.1	3
21	Phosphotripeptidic Inhibitors of Leucylaminopeptidases. International Journal of Molecular Sciences, 2021, 22, 5090.	4.1	2
22	N-Benzyl Residues as the P1 Substituents in Phosphorus-Containing Extended Transition State Analog Inhibitors of Metalloaminopeptidases. Molecules, 2020, 25, 4334.	3.8	1
23	Synthesis of Hybrid Tripeptide Peptidomimetics Containing Dehydroamino Acid and Aminophosphonic Acid in the Chain and Evaluation of Their Activity toward Cathepsin C. Chemistry and Biodiversity, 2022, 19, .	2.1	1