

Akiko Asano

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Synthesis of six-membered carbocyclic ring $\text{I}\pm,\text{I}\pm$ -disubstituted amino acids and arginine-rich peptides to investigate the effect of ring size on the properties of the peptide. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 38, 116111.	3.0	10
2	Effect of the powerful plasticity of the <i><sup>i</sup>tert<sup>i</sup></i> â€“butyl side chain on the conformational equilibrium of ascidiacyclamides. <i>Journal of Peptide Science</i> , 2021, 27, e3363.	1.4	3
3	An Ornithine-Free Gramicidin S Analogue Using Norleucine, Cyclo(<i>Val</i> ¹ <i>Nle</i> ² <i>Leu</i> ³ <i>D-Phe</i> ⁴ <i>Pro</i> ⁵) ₂ ; Forms Helically Aligned I^2 -Sheets. <i>Chemical and Pharmaceutical Bulletin</i> , 2021, 69, 1097-1103.	1.3	1
4	Incorporation of I^2 -amino acids into ascidiacyclamides: Effects on conformation, cytotoxicity and interaction with copper (II) ion. <i>Journal of Peptide Science</i> , 2020, 26, e3225.	1.4	0
5	NMR-based quantitative studies of the conformational equilibrium between their square and folded forms of ascidiacyclamide and its analogues. <i>RSC Advances</i> , 2020, 10, 33317-33326.	3.6	4
6	Crystal Structure of Gramicidin S Hydrochloride at 1.1 Å... Resolution. <i>X-ray Structure Analysis Online</i> , 2019, 35, 1-2.	0.2	8
7	[<i>Leu</i> ¹ <i>2</i>]Gramicidin S preserves the structural properties of its parent peptide and forms helically aligned I^2 -sheets. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2019, 75, 1336-1343.	0.5	2
8	A bis-copper(II)-[<i>D</i> ¹ <i>Val</i> ² <i>3,7</i>]ascidiacyclamide complex enveloping two square pyramids and sharing an apex atom from a carbonate anion. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2019, 75, 1182-1187.	0.5	1
9	Crystal structure of <i><sup>i</sup>N<sup>i</sup>-{<sup>i</sup>N<sup>i</sup>-[<sup>i</sup>tert<sup>i</sup>-butoxycarbonyl]-<sup>i</sup>L-<sup>i</sup>-aspartyl]-<sup>i</sup>L-<sup>i</sup>-aspartyl acid 1⁴,2⁴,3⁴-trimethyl ester 3¹,2-oxo-2-phenylethyl ester {Boc-[Asp(OMe)]₃-OPac}. <i>Acta Crystallographica Section E: Crystallographic Communications</i>, 2019, 75, 585-588.</i>	0.5	0
10	Asidiacyclamides containing oxazoline and thiazole motifs assume square conformations and show high cytotoxicity. <i>Journal of Peptide Science</i> , 2018, 24, e3120.	1.4	10
11	Conformational properties of ascydiacyclamide analogues with cyclic $\text{I}\pm$ -amino acids instead of oxazoline residues. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 6554-6562.	3.0	2
12	A dimer model of human calcitonin13-32 forms an $\text{I}\pm$ -helical structure and robustly aggregates in 50% aqueous 2,2,2-trifluoroethanol solution. <i>Journal of Peptide Science</i> , 2016, 22, 480-484.	1.4	7
13	Conformational transformation of ascidiacyclamide analogues induced by incorporating enantiomers of phenylalanine, 1-naphthylalanine or 2-naphthylalanine. <i>Journal of Peptide Science</i> , 2016, 22, 156-165.	1.4	9
14	Modulating the structure of phenylalanine-incorporated ascidiacyclamide through fluorination. <i>Journal of Peptide Science</i> , 2014, 20, 794-802.	1.4	7
15	The desoxazoline asidiacyclamide analogue cyclo(Gly ¹ Thr ² <i>D</i> -Val ³ Thz ⁴ Ile ⁵ Thr ⁶ <i>D</i> -Val ⁷ Thz ⁸) acetonitrile monosolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o54-o55.	0.2	1
16	The square conformation of phenylglycine-incorporated ascidiacyclamide is stabilized by CH/ $\text{i}\epsilon$ interactions between amino acid side chains. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 3372-3377.	3.0	14
17	Crystal Structure of t-Butyloxycarbonyl-L-prolyl-L-hydroxyprolyl-glicine methyl ester (Boc-Pro-Hyp-Gly-OMe). <i>X-ray Structure Analysis Online</i> , 2010, 26, 53-54.	0.2	0
18	H ¹ -D-Phe ² -D-Pro ³ -Gly methyl ester hydrochloride monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o704-o704.	0.2	0

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19	β^2 -Turn structure of a tripeptideN-(tert-butoxycarbonyl)-Phe-D-Pro-Gly methyl ester monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, o4691-o4691.	0.2	1
20	Bocâ€“Proâ€“Hypâ€“Glyâ€“OBzl and Bocâ€“Alaâ€“Hypâ€“Glyâ€“OBzl, two repeating triplets found in collagen. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2006, 62, o577-o580.	0.4	5
21	Cytosine-containing hybrid dipeptides:N-[2-(4-amino-2-oxo-1,2-dihydropyrimidin-1-yl)propionyl]-L-phenylalanineN-[2-(4-amino-2-oxo-1,2-dihydropyrimidin-1-yl)propionyl]monohydrate andN-[2-(4-amino-2-oxo-1,2-dihydropyrimidin-1-yl)propionyl]-L-lysine. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2005, 61, o577-o582.	0.4	1
22	Turn-over of an oxazoline ring induced by chiral change of a folded ascidiacyclamide analogue: cyclo(Ile-Dâ€“aThrâ€“D-Valâ€“Thzâ€“Ileâ€“D-Oxzâ€“D-Valâ€“Thz)N,N-dimethylformamide disolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2004, 60, o2449-o2451.	0.2	3
23	cis,cis-CeratospongamideN,N-dimethylacetamide hemisolvate in the presence of twinning. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2003, 59, o323-o325.	0.4	1
24	cyclo(-Chaâ€“Oxzâ€“D-Valâ€“Thzâ€“Ileâ€“Oxzâ€“D-Valâ€“Thz-)N,N-dimethylacetamide dihydrate: a square form of cyclohexylalanine-incorporated ascidiacyclamide having the strongest cytotoxicity. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2003, 59, o488-o490.	0.4	9
25	4(R)-(N-Benzoylamino)-5(R)-methyltetrahydrofuran-2-one: anL- β^2 -threonine analogue. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2003, 59, o1486-o1487.	0.2	0
26	Hydrogen Bond between Water and the Phenyl Ring in the Structure of a Dipeptide Hâ€“Pheâ€“Leuâ€“NH2at 90 K and the Structure-based Energy Estimations. <i>Chemistry Letters</i> , 2003, 32, 1102-1103.	1.3	3
27	Interaction Modes between N7-Quarternized Guanine and Cytosine-Containing Dipeptides. <i>Chemistry Letters</i> , 2002, 31, 1136-1137.	1.3	0
28	The structure of an endomorphin analogue incorporating 1-aminocyclohexane-1-carboxylic acid for proline is similar to the β^2 -turn of Leu-enkephalin. <i>Biochemical and Biophysical Research Communications</i> , 2002, 297, 138-142.	2.1	27
29	A flat squared conformation of an ascidiacyclamide derivative caused by chiral modification of an oxazoline residue. <i>Biochemical and Biophysical Research Communications</i> , 2002, 297, 143-147.	2.1	15
30	Crystal Structure of 2-[N-(t-Butoxycarbonyl)amino]-4-(thymin-1-yl)-butyric Acid Methyl Ester.. <i>Analytical Sciences</i> , 2001, 17, 361-362.	1.6	4
31	Caged and clustered structures of endothelin inhibitor BQ123, cyclo(-D-Trp-D-Aspâ€“Pro-D-Val-Leu-)cdotNa+, forming five and six coordination bonds between sodium ions and peptides. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2001, 57, 628-634.	2.5	5
32	A β^2 -sheet structure formed by Câ€“H...O hydrogen bonds between the thiazole rings and amide bonds of a dimeric desoxazoline ascidiacyclamide analogue. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2001, 57, o834-o838.	0.2	5
33	A folded conformation of an ascidiacyclamide derivative: 3-methoxysulfoxide-(2R,3R)-threoninyl desoxazoline-ascidiacyclamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2001, 57, o1019-o1021.	0.2	4
34	Effects of amino acids and chirality for molecular folding of desoxazoline-ascidiacyclamide derivatives: X-ray crystal structures of four cyclic octapeptides including unusual amino acids,cyclo(-Ile-aThr-D-Val-Thz)-2,cyclo(-Ala-aThr-D-Val-Thz-Ile-aThr-D-Val-Thz-),cyclo(-Val-aThr-D-Val-Thz-Ile-aThr-D-Val-Thz-), andcyclo(-Ile-aThr-Val-Thz-Ile-aThr-D-Val-Thz-). <i>Biopolymers</i> , 2001, 58, 295-304.	2.4	24
35	Crystal Structure of Hybrid Dipeptide, Cytosinyl-L-tyrosine.. <i>Analytical Sciences</i> , 1999, 15, 109-110.	1.6	6
36	Crystal Structure of Hybrid Dipeptide, (2-Carboxyethyl)-cytosine-1-yl-L-threonine Monohydrate.. <i>Analytical Sciences</i> , 1999, 15, 1289-1290.	1.6	1