Adam Huczynski

List of Publications by Citations

148 papers	2,348 citations	25 h-index	41 g-index
156 ext. papers	2,722 ext. citations	3.6 avg, IF	5.44 L-index

#	Paper	IF	Citations
148	Biological Properties of Schiff Bases and Azo Derivatives of Phenols. *Current Organic Chemistry*, **2009**, 13, 124-148	1.7	259
147	Polyether ionophores-promising bioactive molecules for cancer therapy. *Bioorganic and Medicinal Chemistry Letters*, **2012**, 22, 7002-10	2.9	91
146	Salinomycin: a new cancer drug candidate. *Chemical Biology and Drug Design*, **2012**, 79, 235-8	2.9	74
145	Synthesis, cytotoxicity and antibacterial activity of new esters of polyether antibiotic - salinomycin. *European Journal of Medicinal Chemistry*, **2014**, 76, 435-44	6.8	67
144	Antiproliferative activity of salinomycin and its derivatives. *Bioorganic and Medicinal Chemistry Letters*, **2012**, 22, 7146-50	2.9	53
143	Synthesis, antiproliferative and antibacterial activity of new amides of salinomycin. *Bioorganic and Medicinal Chemistry Letters*, **2014**, 24, 1724-9	2.9	48
142	Structure and antimicrobial properties of monensin A and its derivatives: summary of the achievements. *BioMed Research International*, **2013**, 2013, 742149	3	48
141	Angiogenesis and cancer stem cells: New perspectives on therapy of ovarian cancer. *European Journal of Medicinal Chemistry*, **2017**, 142, 87-94	6.8	47
140	Anticancer Activity of Polyether Ionophore-Salinomycin. *Anti-Cancer Agents in Medicinal Chemistry*, **2015**, 15, 575-91	2.2	47
139	Synthesis and antimicrobial activity of amide derivatives of polyether antibiotic-salinomycin. *Bioorganic and Medicinal Chemistry Letters*, **2012**, 22, 4697-702	2.9	45
138	Synthesis and antimicrobial properties of monensin A esters. *Bioorganic and Medicinal Chemistry Letters*, **2008**, 18, 2585-9	2.9	44
137	Monensin A acid complexes as a model of electrogenic transport of sodium cation. *Biochimica Et Biophysica Acta - Biomembranes*, **2012**, 1818, 2108-19	3.8	40
136	The structures of monensin A derivatives and its complexes with some monovalent cations studied by the AM1d, PM3 as well as PM5 semiempirical methods. *Journal of Molecular Structure*, **2007**, 826, 156-164	3.4	38
135	Synthesis, anticancer and antibacterial activity of salinomycin N-benzyl amides. *Molecules*, **2014**, 19, 19435-59	4.5	36
134	Synthesis and biological activity of salinomycin conjugates with floxuridine. *European Journal of Medicinal Chemistry*, **2015**, 93, 33-41	6.8	35
133	Doxycycline, salinomycin, monensin and ivermectin repositioned as cancer drugs. *Bioorganic and Medicinal Chemistry Letters*, **2019**, 29, 1549-1554	2.9	34
132	Molecular structure of the 1:1 inclusion complex of monensin A sodium salt with acetonitrile. *Journal of Molecular Structure*, **2007**, 832, 84-89	3.4	34

131	Monensin A methyl ester complexes with Li+, Na+, and K+ cations studied by ESI-MS, 1H- and 13C-NMR, FTIR, as well as PM5 semiempirical method. *Biopolymers*, **2006**, 81, 282-94	2.2	32
130	Old wine in new bottles: Drug repurposing in oncology. *European Journal of Pharmacology*, **2020**, 866, 172784	5.3	32
129	Molecular structure of the 1:1 inclusion complex of monensin A lithium salt with acetonitrile. *Journal of Molecular Structure*, **2007**, 871, 92-97	3.4	30
128	Complexes of monensin A methyl ester with Mg2+, Ca2+, Sr2+, Ba2+ cations studied by electrospray ionization mass spectrometry and PM5 semiempirical method. *Journal of Molecular Structure*, **2006**, 788, 176-183	3.4	28
127	X-ray, spectroscopic and computational studies of the tautomeric structure of a new hydrazone of 5-nitrosalicylaldehyde with indole-3-acetic hydrazide. *Journal of Molecular Structure*, **2010**, 970, 147-154	3.4	27
126	Salinomycin and its derivatives - A new class of multiple-targeted "magic bullets". *European Journal of Medicinal Chemistry*, **2019**, 176, 208-227	6.8	26
125	Synthesis, antiproliferative and antibacterial evaluation of C-ring modified colchicine analogues. *European Journal of Medicinal Chemistry*, **2015**, 90, 296-301	6.8	26
124	X-ray, FT-IR, NMR and PM5 structural studies and antibacterial activity of unexpectedly stable salinomycin–benzotriazole intermediate ester. *Journal of Molecular Structure*, **2012**, 1022, 197-203	3.4	26
123	Biological activity of doubly modified salinomycin analogs - Evaluation in vitro and ex vivo. *European Journal of Medicinal Chemistry*, **2018**, 156, 510-523	6.8	25
122	Synthesis, crystal structures and antibacterial activity studies of aza-derivatives of phytoalexin from cotton plant--gossypol. *European Journal of Medicinal Chemistry*, **2009**, 44, 4393-403	6.8	25
121	Molecular structure of rubidium six-coordinated dihydrate complex with monensin A. *Journal of Molecular Structure*, **2008**, 888, 224-229	3.4	25
120	Spectroscopic, mass spectrometry, and semiempirical investigation of a new ester of Monensin A with ethylene glycol and its complexes with monovalent metal cations. *Biopolymers*, **2006**, 82, 491-503	2.2	25
119	Anti-parasitic activity of polyether ionophores. *European Journal of Medicinal Chemistry*, **2019**, 166, 32-47	6.8	25
118	Antiproliferative Activity of Polyether Antibiotic--Cinchona Alkaloid Conjugates Obtained via Click Chemistry. *Chemical Biology and Drug Design*, **2015**, 86, 911-7	2.9	23
117	Reinvestigation of the structure of monensin A phenylurethane sodium salt based on X-ray crystallographic and spectroscopic studies, and its activity against hospital strains of methicillin-resistant S. epidermidis and S. aureus. *Journal of Antibiotics*, **2011**, 64, 249-56	3.7	23
116	1H- and 13C-NMR, FTIR, UV-VIS, ESI-MS, and PM5 studies as well as emission properties of a new Schiff base of gossypol with 5-methoxytryptamine and a new hydrazone of gossypol with dansylhydrazine. *Biopolymers*, **2006**, 82, 521-35	2.2	23
115	Electrogenic and nonelectrogenic ion fluxes across lipid and mitochondrial membranes mediated by monensin and monensin ethyl ester. *Biochimica Et Biophysica Acta - Biomembranes*, **2015**, 1848, 995-1004	3.8	21
114	Spectroscopic and semiempirical studies of a proton channel formed by the methyl ester of monensin A. *Journal of Physical Chemistry B*, **2006**, 110, 15615-23	3.4	21

113	One-pot synthesis and cytotoxicity studies of new Mannich base derivatives of polyether antibiotic--lasalocid acid. *Bioorganic and Medicinal Chemistry Letters*, **2013**, 23, 5053-6	2.9	20
112	Investigation of complex structures of a new 2-hydroxyethyl ester of Monensin A with Mg2+, Ca2+, Sr2+, Ba2+ cations using electrospray ionization mass spectrometry and semiempirical PM5 methods. *Journal of Molecular Structure*, **2007**, 829, 111-119	3.4	20
111	Synthesis and Antiproliferative Activity of Silybin Conjugates with Salinomycin and Monensin. *Chemical Biology and Drug Design*, **2015**, 86, 1378-86	2.9	19
110	Structural characterization and antibacterial activity against clinical isolates of Staphylococcus of N-phenylamide of monensin A and its 1:1 complexes with monovalent cations. *European Journal of Medicinal Chemistry*, **2010**, 45, 4050-7	6.8	19
109	Monensin A benzyl ester and its complexes with monovalent metal cations studied by spectroscopic, mass spectrometry and semiempirical methods. *Journal of Molecular Structure*, **2006**, 797, 99-110	3.4	19
108	Salinomycin derivatives exhibit activity against primary acute lymphoblastic leukemia (ALL) cells in vitro. *Biomedicine and Pharmacotherapy*, **2018**, 99, 384-390	7.5	18
107	Structural and antimicrobial studies of a new N-phenylamide of monensin A complex with sodium chloride. *Journal of Molecular Structure*, **2009**, 923, 53-59	3.4	18
106	Syntheses, structural and antimicrobial studies of a new N-allylamide of monensin A and its complexes with monovalent metal cations. *Tetrahedron*, **2009**, 65, 7730-7740	2.4	18
105	Structural and spectroscopic studies of the 1:1 complex of lasalocid acid with 1,5,7-triazabicyclo[4.4.0]dec-5-ene. *Journal of Molecular Structure*, **2008**, 875, 501-508	3.4	18
104	NMR, FTIR, ESI-MS and semiempirical study of a new 2-(2-hydroxyethoxy)ethyl ester of monensin A and its complexes with alkali metal cations. *Tetrahedron*, **2007**, 63, 8831-8839	2.4	18
103	Synthesis and antiproliferative activity of new bioconjugates of Salinomycin with amino acid esters. *Bioorganic and Medicinal Chemistry Letters*, **2015**, 25, 3511-4	2.9	17
102	Spectroscopic studies of the 1:1 complexes of 4-nitrophenyl[bis(ethylsulfonyl)]methane and phenyl[bis(ethylsulfonyl)]methane with 7-methyl-1,5,7-triazabicyclo[4.4.0]dec-5-ene and 1,5,7-triazabicyclo[4.4.0]dec-5-ene. *Journal of Molecular Structure*, **2007**, 841, 133-136	3.4	17
101	Antiproliferative Activity and Molecular Docking of Novel Double-Modified Colchicine Derivatives. *Cells*, **2018**, 7,	7.9	17
100	Synthesis and Biological Evaluation of Novel Triple-Modified Colchicine Derivatives as Potent Tubulin-Targeting Anticancer Agents. *Cells*, **2018**, 7,	7.9	17
99	Synthesis, antiproliferative activity and molecular docking of thiocolchicine urethanes. *Bioorganic Chemistry*, **2018**, 81, 553-566	5.1	16
98	Synthesis of new semi-synthetic dipodands and tripodands from naturally occurring polyether ionophores. *Tetrahedron Letters*, **2008**, 49, 5572-5575	2	15
97	Molecular structure of 1,3-bis(carboxymethyl)imidazolium bromide and its betaine form in crystal. *Journal of Molecular Structure*, **2008**, 876, 170-176	3.4	15
96	Synthesis, antiproliferative activity and molecular docking of Colchicine derivatives. *Bioorganic Chemistry*, **2016**, 64, 103-12	5.1	14

95	Spectroscopic, semi-empirical and antimicrobial studies of a new amide of monensin A with 4-aminobenzo-15-crown-5 and its complexes with Na+ cation at 1:1 and 1:2 ratios. *Tetrahedron*, **2011**, 67, 1468-1478	2.4	14
94	Spectroscopic, mass spectrometry and semiempirical investigation of a new Monensin A allyl ester and its complexes with Li+, Na+ and K+cations. *Journal of Molecular Structure*, **2007**, 828, 130-141	3.4	14
93	Structures of complexes of benzyl and allyl esters of monensin A with Mg2+, Ca2+, Sr2+, Ba2+ cations studied by ESI-MS and PM5 methods. *Journal of Molecular Structure*, **2008**, 886, 9-16	3.4	14
92	Cocrystals of Kemp triacid. Part I: Molecular structure of 2:2 complex of 1,5,7-triazabicyclo[4.4.0]dec-5-ene with Kemp triacid. *Journal of Molecular Structure*, **2008**, 888, 84-91	3.4	14
91	Spectroscopic, mass spectrometry, and semiempirical investigations of a new 2-(2-methoxyethoxy)ethyl ester of Monensin A and its complexes with monovalent cations. *Journal of Molecular Structure*, **2008**, 879, 14-24	3.4	13
90	Tertiary amides of Salinomycin: A new group of antibacterial agents against Bacillus anthracis and methicillin-resistant Staphylococcus epidermidis. *Bioorganic and Medicinal Chemistry Letters*, **2015**, 25, 2082-8	2.9	12
89	Anti-proliferative activity of Monensin and its tertiary amide derivatives. *Bioorganic and Medicinal Chemistry Letters*, **2015**, 25, 4539-43	2.9	12
88	Lasalocid acid as a lipophilic carrier ionophore for allylamine: Spectroscopic, crystallographic and microbiological investigation. *Journal of Molecular Structure*, **2009**, 936, 92-98	3.4	12
87	Spectroscopic, mass spectrometry and semiempirical investigation of a new 2-methoxyethyl ester of monensin A and its complexes with Li+, Na+ and K+ cations. *Journal of Molecular Structure*, **2008**, 874, 89-100	3.4	12
86	Ovarian cancer stem cells: A target for oncological therapy. *Advances in Clinical and Experimental Medicine*, **2018**, 27, 1017-1020	1.8	12
85	Overcoming Resistance to Platinum-Based Drugs in Ovarian Cancer by Salinomycin and Its Derivatives-An In Vitro Study. *Molecules*, **2020**, 25,	4.8	11
84	Synthesis, Antiproliferative Activity and Molecular Docking Studies of Novel Doubly Modified Colchicine Amides and Sulfonamides as Anticancer Agents. *Molecules*, **2020**, 25,	4.8	11
83	X-ray crystallographic, FT-IR and NMR studies as well as anticancer and antibacterial activity of the salt formed between ionophore antibiotic Lasalocid acid and amines. *Journal of Molecular Structure*, **2013**, 1032, 69-77	3.4	11
82	Complexes of lasalocid 2-naphthylmethyl ester with monovalent metal cations studied by mass spectrometry, spectroscopic and semiempirical methods. *Structural Chemistry*, **2011**, 22, 627-634	1.8	11
81	Crystal structure and FT-IR study of aqualithium 1-naphthylmethyl ester of monensin A perchlorate. *Journal of Molecular Structure*, **2011**, 985, 70-74	3.4	10
80	X-ray, spectroscopic and antibacterial activity studies of the 1:1 complex of lasalocid acid with 1,1,3,3-tetramethylguanidine. *Journal of Molecular Structure*, **2010**, 977, 51-55	3.4	10
79	Cocrystals of Kemp triacid. Part III: Structure of hydrogen-bonded complex of Kemp triacid with 1,1,3,3-tetramethylguanidine studied by X-ray and FT-IR methods. *Journal of Molecular Structure*, **2008**, 892, 414-419	3.4	10
78	Spectroscopic studies, crystal structures and antimicrobial activities of a new lasalocid 1-naphthylmethyl ester. *Journal of Molecular Structure*, **2008**, 891, 481-490	3.4	10

77	In vitro activity of salinomycin and monensin derivatives against Trypanosoma brucei. *Parasites and Vectors*, **2016**, 9, 409	4	10
76	Bivalent polyether ionophores: Synthesis and biological evaluation of C 2 -symmetric salinomycin dimers. *Tetrahedron Letters*, **2017**, 58, 2396-2399	2	9
75	Synthesis, biological evaluation and molecular docking studies of new amides of 4-chlorothiocolchicine as anticancer agents. *Bioorganic Chemistry*, **2020**, 97, 103664	5.1	9
74	1H, 13C NMR, FT-IR, ESI MS and PM5 studies of a new 3,6,9-trioxadecylamide of monensin A and its complexes with Li+, Na+ and K+ cations. *Journal of Molecular Structure*, **2011**, 990, 121-131	3.4	9
73	Anti-trypanosomal activity of doubly modified salinomycin derivatives. *European Journal of Medicinal Chemistry*, **2019**, 173, 90-98	6.8	8
72	Structure and Biological Activity of Polyether Ionophores and Their Semisynthetic Derivatives **2015**, 107-170		8
71	Structural and spectroscopic studies of a new 2-naphthylmethyl ester of lasalocid acid. *Journal of Molecular Structure*, **2009**, 918, 108-115	3.4	8
70	Structural investigation of a new complex of N-allylamide of Monensin A with strontium perchlorate using X-ray, FT-IR, ESI MS and semiempirical methods. *Journal of Molecular Structure*, **2011**, 995, 20-28	3.4	8
69	Structural and spectroscopic studies of new o-, m- and p-nitrobenzyl esters of lasalocid acid. *Journal of Molecular Structure*, **2008**, 877, 105-114	3.4	8
68	Cocrystals of Kempē triacid. Part II. Molecular structure of the complex of Kempē triacid with 1,8-diazabicyclo[5.4.0]undec-7-ene. *Journal of Molecular Structure*, **2008**, 889, 64-71	3.4	8
67	Carbamate derivatives of colchicine show potent activity towards primary acute lymphoblastic leukemia and primary breast cancer cells-in vitro and ex vivo study. *Journal of Biochemical and Molecular Toxicology*, **2020**, 34, e22487	3.4	7
66	Synthesis, biological evaluation and molecular docking studies of new amides of 4-bromothiocolchicine as anticancer agents. *Bioorganic and Medicinal Chemistry*, **2019**, 27, 115144	3.4	7
65	Salinomycin – a breakthrough in the treatment of ovarian cancer?. *Current Gynecologic Oncology*, **2016**, 14, 156-161	2	7
64	Activity of Natural Polyether Ionophores: Monensin and Salinomycin against Clinical Staphylococcus epidermidis Strains. *Polish Journal of Microbiology*, **2015**, 64, 273-278	1.8	7
63	Synthesis and Anticancer Activity of Tertiary Amides of Salinomycin and Their C20-oxo Analogues. *ChemMedChem*, **2020**, 15, 236-246	3.7	7
62	Role of vitamin D in selected malignant neoplasms. *Nutrition*, **2020**, 79-80, 110964	4.8	7
61	An insight into the anticancer potential of carbamates and thiocarbamates of 10-demethoxy-10-methylaminocolchicine. *European Journal of Medicinal Chemistry*, **2021**, 215, 113282	6.8	7
60	Synthesis and Antiproliferative Screening Of Novel Analogs of Regioselectively Demethylated Colchicine and Thiocolchicine. *Molecules*, **2020**, 25,	4.8	6

59	Cytotoxic and trypanocidal activities of cinchona alkaloid derivatives. *Chemical Biology and Drug Design*, **2018**, 92, 1778-1787	2.9	6
58	Spectroscopic, semiempirical studies and antibacterial activity of new urethane derivatives of natural polyether antibiotic Monensin A. *Journal of Molecular Structure*, **2013**, 1034, 198-206	3.4	6
57	Extremely different structures and vibrational spectra of tetramethylpyrazine nitrate dihydrate in solid and solutions. *Journal of Molecular Structure*, **2013**, 1037, 264-270	3.4	6
56	Structure of 1:1 complex of 1-naphthylmethyl ester of monensin A with sodium perchlorate studied by X-ray, FT-IR and ab initio methods. *Journal of Molecular Structure*, **2012**, 1030, 131-137	3.4	6
55	Structure of 1-naphthylmethyl ester of monensin A complexes with monovalent metal cations. *Journal of Molecular Structure*, **2009**, 920, 414-423	3.4	6
54	Crystals of the Kemp triacid salts. Part IV: Supramolecular architecture in the crystal of tetra(melaminium) bis(5-carboxy-1,3,5-trimethylcyclo-hexane-1,3-dicarboxylate) pentahydrate. *Journal of Molecular Structure*, **2009**, 922, 77-82	3.4	6
53	Crystals of the Kemp triacid salts. Part V: Structure of hydrogen-bonded complex of Kemp triacid with 7-methyl-1,5,7-triazabicyclo[4.4.0]dec-5-ene studied by X-ray and FT-IR methods. *Journal of Molecular Structure*, **2010**, 982, 57-61	3.4	6
52	Statins: HMG-CoA Reductase Inhibitors as Potential Anticancer Agents against Malignant Neoplasms in Women. *Pharmaceuticals*, **2020**, 13,	5.2	6
51	Antidepressants and Antipsychotic Agents as Repurposable Oncological Drug Candidates. *Current Medicinal Chemistry*, **2021**, 28, 2137-2174	4.3	6
50	Trypanosoma brucei: trypanocidal and cell swelling activities of lasalocid acid. *Parasitology Research* , **2017**, 116, 3229-3233	2.4	5
49	Investigations of the Mode of Action of Novel Colchicine Derivatives Targeting Tubulin Isotypes: A Search for a Selective and Specific III Tubulin Ligand. *Frontiers in Chemistry*, **2020**, 8, 108	5	5
48	Synthesis, FT-IR, H, CNMR, ESI MS and PM5 studies of a new Mannich base of polyether antibiotic - Lasalocid acid and its complexes with Li+, Na+ and K+ cations. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2013**, 104, 497-504	4.4	5
47	Spectroscopic and structural studies of the first complex formed between salinomycin and organic amine. *Journal of Molecular Structure*, **2017**, 1130, 719-726	3.4	5
46	Spectroscopic, semiempirical and X-ray structural study of the 2:1 complex of a cyclic diamide of o-phthalic acid with water molecule. *Journal of Molecular Structure*, **2007**, 840, 22-28	3.4	5
45	Studies of the complexes of the 4-cyanophenyl[bis(ethylsulfonyl)]methane and 4-cyanophenyl[bis(benzylsulfonyl)]methane C-acids and TBD and MTBD N-bases. *Journal of Molecular Structure*, **2008**, 892, 188-194	3.4	5
44	Differences in Antiproliferative Activity Between Salinomycin-AZT Conjugates Obtained via 'Click' and Esterification Reactions. *Medicinal Chemistry*, **2017**, 13, 127-136	1.8	5
43	The response of phyllodes tumor of the breast to anticancer therapy: An and study. *Oncology Letters*, **2019**, 18, 5097-5106	2.6	5
42	New Series of Double-Modified Colchicine Derivatives: Synthesis, Cytotoxic Effect and Molecular Docking. *Molecules*, **2020**, 25,	4.8	5

41	Synthesis and antiproliferative screening of novel doubly modified colchicines containing urea, thiourea and guanidine moieties. *Bioorganic and Medicinal Chemistry Letters*, **2021**, 47, 128197	2.9	5
40	Spectroscopic, crystallographic and theoretical studies of lasalocid complex with ammonia and benzylamine. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2014**, 125, 297-307	4.4	4
39	X-ray and FT-IR studies of structures of cyclic oxaalkyl diamide of o-phthalic acid and its complex with lead(II) perchlorate. *Polyhedron*, **2011**, 30, 2870-2877	2.7	4
38	Crystals of the Kemp triacid salts Part VI: Supramolecular architecture in the crystal of Kemp triacid with tris(2-aminoethyl)amine. *Journal of Molecular Structure*, **2011**, 996, 48-52	3.4	4
37	X-ray, spectroscopic and semiempirical investigation of the structure of lasalocid 6-bromohexyl ester and its complexes with alkali metal cations. *Journal of Molecular Structure*, **2011**, 998, 206-215	3.4	4
36	EI MS and ESI MS studies of the bisesquiterpene from cotton seeds: Gossypol and its Aza-derivatives. *Journal of Mass Spectrometry*, **2008**, 43, 680-6	2.2	4
35	Structure of complexes of lasalocid m-nitrobenzyl ester with monovalent metal cations. *Journal of Molecular Structure*, **2008**, 889, 72-80	3.4	4
34	Antibacterial activity of singly and doubly modified salinomycin derivatives. *Bioorganic and Medicinal Chemistry Letters*, **2020**, 30, 127062	2.9	3
33	Antiproliferative activity of ester derivatives of monensin A at the C-1 and C-26 positions. *Chemical Biology and Drug Design*, **2019**, 94, 1859-1864	2.9	3
32	Cyclic oxaalkyl diamide of o-phthalic acid as a new macrocyclic ligand for complexation of Li+ cation. *Journal of Molecular Structure*, **2009**, 930, 26-31	3.4	3
31	Structural, spectroscopic and semiempirical characterisation of the calcium cation complexes with 14-membered macrocyclic ligand of cyclic oxaalkyl diamide of o-phthalic acid. *Inorganica Chimica Acta*, **2011**, 370, 353-362	2.7	3
30	Synthesis, antiproliferative activity, and molecular docking studies of 4-chlorothiocolchicine analogues. *Chemical Biology and Drug Design*, **2020**, 95, 182-191	2.9	3
29	Synthesis and Anticancer Activity of Dimeric Polyether Ionophores. *Biomolecules*, **2020**, 10,	5.9	3
28	Limitations of an ex vivo breast cancer model for studying the mechanism of action of the anticancer drug paclitaxel. *European Journal of Pharmacology*, **2021**, 891, 173780	5.3	3
27	Ester derivatives of salinomycin efficiently eliminate breast cancer cells via ER-stress-induced apoptosis. *European Journal of Pharmacology*, **2021**, 893, 173824	5.3	3
26	Spectroscopic studies of the equilibrium between complexes of lasalocid acid with propargylamine and metal cations. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2015**, 150, 704-11	4.4	2
25	One-pot synthesis and antiproliferative activity of novel double-modified derivatives of the polyether ionophore monensin A. *Chemical Biology and Drug Design*, **2018**, 92, 1537-1546	2.9	2
24	Spectroscopic and structural studies of a new para-iodo-N-benzyl amide of salinomycin. *Journal of Molecular Structure*, **2017**, 1147, 197-205	3.4	2

23	Spectroscopic and structural studies of allyl urethane derivative of Monensin A sodium salt. *Journal of Molecular Structure*, **2013**, 1043, 75-84	3.4	2
22	X-ray crystallographic, FT-IR, and density functional theory studies of the salt formed between dipicrylamine and 1,5,7-triazabicyclo[4.4.0]dec-1-ene. *Journal of Physical Chemistry A*, **2011**, 115, 8540-9	2.8	2
21	Molecular structure and spectroscopic study of N,N-dimethylisoindoline-2-carboxamide A new unsymmetrical urea obtained in one-pot synthesis. *Journal of Molecular Structure*, **2010**, 967, 65-71	3.4	2
20	Molecular structure of the 2:2 complex of cyclic oxaalkyl diamide of o-phthalic acid with sodium perchlorate. *Journal of Molecular Structure*, **2010**, 967, 166-173	3.4	2
19	Synthesis of Lasalocid-Based Bioconjugates and Evaluation of Their Anticancer Activity.. *ACS Omega* , **2022**, 7, 1943-1955	3.9	2
18	Salinomycin and its derivatives as potent RET transcriptional inhibitors for the treatment of medullary thyroid carcinoma. *International Journal of Oncology*, **2020**, 56, 348-358	4.4	2
17	Photoinduced Skeletal Rearrangement of -Substituted Colchicine Derivatives. *Journal of Organic Chemistry*, **2021**, 86, 11029-11039	4.2	2
16	Singly and doubly modified analogues of C20-epi-salinomycin: A new group of antiparasitic agents against Trypanosoma brucei. *European Journal of Medicinal Chemistry*, **2021**, 209, 112900	6.8	2
15	FT-IR, 1H, 13C NMR, ESI-MS and semiempirical investigation of the structures of Monensin phenyl urethane complexes with the sodium cation. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2013**, 110, 285-90	4.4	1
14	Bioconjugation of Ionophore Antibiotics: A Way to Obtain Hybrids with Potent Biological Activity. *Mini-Reviews in Organic Chemistry*, **2017**, 14,	1.7	1
13	Evaluation of the anticancer activity of singly and doubly modified analogues of C20-epi-salinomycin. *European Journal of Pharmacology*, **2021**, 908, 174347	5.3	1
12	Synthesis and evaluation of antibacterial and trypanocidal activity of derivatives of monensin A.. *Bioorganic and Medicinal Chemistry Letters*, **2021**, 58, 128521	2.9	0
11	Role of Vitamin E in Selected Malignant Neoplasms in Women. *Nutrition and Cancer*, **2021**, 1-8	2.8	0
10	Synthesis, anticancer activity and molecular docking studies of N-deacetylthiocolchicine and 4-iodo-N-deacetylthiocolchicine derivatives. *Bioorganic and Medicinal Chemistry*, **2021**, 32, 116014	3.4	0
9	Single and double modified salinomycin analogs target stem-like cells in 2D and 3D breast cancer models. *Biomedicine and Pharmacotherapy*, **2021**, 141, 111815	7.5	0
8	Novel Double-Modified Colchicine Derivatives Bearing 1,2,3-Triazole: Design, Synthesis, and Biological Activity Evaluation. *ACS Omega*, **2021**, 6, 26583-26600	3.9	0
7	Molecular structure and spectroscopic studies of the product of acidic degradation of salinomycin and its potassium salt. *Journal of Molecular Structure*, **2022**, 133129	3.4	0
6	Double Modification of Polyether Ionophores: Synthesis and Biological Activity of Novel Salinomycin Derivatives. *Proceedings (mdpi)*, **2019**, 22, 20	0.3	

5	The synthesis and structural studies of a new Kemp triacid oxaalkyl ester and its complexes with Li+, Na+ and K+ cations. *Journal of Molecular Structure*, **2008**, 892, 470-476	3.4
4	Novel Salinomycin Analogs Show Improved Selectivity Towards Breast Cancer Stem Cells. *FASEB Journal*, **2020**, 34, 1-1	0.9
3	Activity of Single and Double-modified Salinomycin Analogs against Primary Acute Lymphoblastic Cells In Vitro. *FASEB Journal*, **2018**, 32, 836.15	0.9
2	Synthesis of thiocolchicine amine derivatives and evaluation of their antiproliferative activity. *Bioorganic and Medicinal Chemistry Letters*, **2021**, 52, 128382	2.9
1	Rate of translocation across lipid bilayer of triphenylphosphonium-linked salinomycin derivatives contributes significantly to their K/H exchange activity on membranes.. *Bioelectrochemistry*, **2022**, 145, 108089	5.6