

A Szegedi Rákkutatásért Alapítvány támogatásával
publikált közlemények

1. Valkusz Zs., Gálfi M., Molnár J., Gardi J., Tóth I., Julesz J., Szarvas F.:
The effects of phenothiazine derivatives on the membrane functions of cultured Leydig cells of rats.
J. Exp. Clin. Cancer Res. 14, 28-29 (1995)
IF: 1,062
2. Gálfi M., Valkusz Zs., Molnár J., Gardi J., Tóth I., Szarvas F., Juhász A., Julesz J.:
The effects of phenothiazine derivatives on the exocytotoxic activities of pituitary prolactinoma and Leydig cell cultures of the rat.
J. Exp. Clin. Cancer Res. 14, 30-31 (1995)
IF: 1,062
3. Todorov D.K., Ilarionova M.V., Gupra R.R., Molnár J., Motohashi N.:
In vitro - *in vivo* studies of benzothiazines against lymphocytic leukemia P388 cells.
Heterocyclic Commun. 1/2-3, 153-155 (1995)
4. Molnár J., Bathó N., Csík V., Chevalier J., Cremieux A.:
Interaction between tricyclic psychopharmacons and some antibiotics.
Acta Microbiol. Immunol. Hung. 42, 277-285 (1995)
5. Motohashi N., Meyer R., Molnár J., Párkányi C., Fang X.:
Chromatographic determination of benz[c]acridines and related compounds in airborne carcinogens.
J. Chromatography A 710, 117-128 (1995)
IF: 2,296
6. Molnár J., Sakagami H., Motohashi N.:
Biological activities of phenothiazines, benzo[a]phenothiazines and benz[c]acridines.
In: *Biological and Chemical Aspects of Thiazines and Analogs*, eds. J. Barbe, H. Keyzer, J.C. Soyfer, Enlight Ass., pp. 243-250 (1995)
7. Komatzu N., Fujimaki M., Sakagami H., Molnár J., Motohashi N.:
Antimicrobial spectrum of benzo[a]phenothiazines and benz[c]acridines.
In: *Biological and Chemical Aspects of Thiazines and Analogs*, eds. J. Barbe, H. Keyzer, J.C. Soyfer, Enlight Ass., pp. 285-294 (1995)
8. Molnár J., Csík V., Bathó N., Chevalier J., Cremieux A.:
Interaction between tricyclic psychopharmacons and some antibiotics.
In: *Biological and Chemical Aspects of Thiazines and Analogs*, eds. J. Barbe, H. Keyzer, J.C. Soyfer, Enlight Ass., pp. 243-250 (1995)
9. Szűcs M., Tóth G., Molnár J.:
Interaction of antidepressant drugs with alprenolol binding sites in *Escherichia coli*.
In: *Biological and Chemical Aspects of Thiazines and Analogs*, eds. J. Barbe, H. Keyzer, J.C. Soyfer, Enlight Ass., pp. 313-316 (1995)
10. Mucsi I., Molnár J., Burián K., Béládi I., Sakagami H., Nakashima H., Inazawa K., Motohashi N.:
Antiviral activity of phenothiazine and benzo[a]phenothiazine derivatives.
In: *Biological and Chemical Aspects of Thiazines and Analogs*, eds. J. Barbe, H. Keyzer, J.C. Soyfer, Enlight Ass., pp. 347-356 (1995)

11. Petri I.B., Szekeres E., Berek I., Molnár J., Sakagami H., Motohashi N.:
Further investigation of benzo[a]phenothiazines on the cellular immune function *in vitro*.
In: *Biological and Chemical Aspects of Thiazines and Analogs*, eds. J. Barbe, H. Keyzer, J.C. Soyfer, Enlight Ass., pp. 365-374 (1995)
12. Szabó M., Rausch H., Molnár J.:
Antiproliferative effects of phenothiazines in plant tissue cultures.
In: *Biological and Chemical Aspects of Thiazines and Analogs*, eds. J. Barbe, H. Keyzer, J.C. Soyfer, Enlight Ass., pp. 381-392 (1995)
13. Sohár I., Kovács J., Motohashi N., Sakagami H., Molnár J.:
Effect of phenothiazines and benz[c]acridines on tissue proteinase.
In: *Biological and Chemical Aspects of Thiazines and Analogs*, eds. J. Barbe, H. Keyzer, J.C. Soyfer, Enlight Ass., pp. 401-410 (1995)
14. Gálfi M., Valkusz Z., Julesz J., Juhász A., Hódi Z., Balogh E., Gardi J., Molnár J.:
Effects of phenothiazines on ACTH secretion in normal pituitary- and prolactinoma derived-cell cultures of the rat.
In: *Biological and Chemical Aspects of Thiazines and Analogs*, eds. J. Barbe, H. Keyzer, J.C. Soyfer, Enlight Ass., pp. 419-426 (1995)
15. Valkusz Z., Gálfi M., Julesz J., Juhász A., Balogh E., Tóth I., Prohászka G., Molnár J.:
Phenothiazine-induced changes in hormone release from various endocrine cell cultures of the rat.
In: *Biological and Chemical Aspects of Thiazines and Analogs*, eds. J. Barbe, H. Keyzer, J.C. Soyfer, Enlight Ass., pp. 427-432 (1995)
16. Molnár J., Pusztai R., Hevér A., Nagy Sz., Motohashi N.:
Effects of two benzo[a]phenothiazines on multi-drug resistance (mdr) and tumor antigen expression.
Anticancer Res. 15, 2013-2016 (1995)
IF: 0,926
17. Szabó M., Molnár J., Csiszár J., Motohashi N.:
Effect of chlorpromazine and benzo[a]phenothiazines on heterotropic auxin requiring and autotropic auxin non-requiring tobacco tissue cultures.
Anticancer Res. 15, 2113-2116 (1995)
IF: 0,926
18. Molnár J., Mándi Y., Földes J., Földeák S., Molnár M., Motohashi N.:
Effect of phenothiazines, benzo[a]phenothiazines, benz[c]acridines and pentaglobin on endotoxin.
In Vivo 9, 463-468 (1995)
19. Vörös I., Bíró B., Köves-Péchy K., Molnár J., Szegi J.:
Effect of various organic and inorganic additives on humus accumulation and mycorrhizal recolonization of dump spoils in Hungary.
Proc. of COST 821 Conference "Arbuscular mycorrhizas as a link between East and West European countries", Krakow, Poland; pp. 34-44 (1995)
20. Varga A., Nugel H., Haehr R., Marx U., Hevér A., Nacs J., Ocsosvzky I., Molnár J.:
Reversal of multidrug resistance by amitriptyline *in vitro*.
Anticancer Res. 16, 209-212 (1996)
IF: 1,049

21. Milojevic D., Molnár J., Gutmann F., Wong D.K.Y.:
Toxic interactions between clozapine and ampicillin.
Anal. Chim. Acta 319, 353-360 (1996)
IF: 1,874
22. Kurihara T., Motohashi N., Shimizu A., Pang G.-L., Molnár J.:
Relationship between resonance energy per pi-electron and carcinogenicity in arenes.
Anticancer Res. 16, 605-612 (1996)
IF: 1,049
23. Petri I., Szekeres E., Varga E., Berek I., Molnár J., Berek L., Kawase, Motohashi N.:
Immunomodulating activities on cellular cytotoxicity and the blast transformation of human lymphocytes by 10-[n-(phtalimido)alkyl-2-substituted- 10H]-phenothiazines and 1-(2-chlorethyl)-3-(2-substituted-10H-phenothiazine-10-yl)-alkyl-ureas.
Anticancer Res. 16, 1247-1250 (1996)
IF: 1,049
24. Nagy Sz., Árgyelán Gy., Molnár J., Kawase M., Motohashi N.:
Antitumor activity of phenothiazine-related compounds.
Anticancer Res. 16, 1915-1918 (1996)
IF: 1,049
25. Motohashi N., Kawase M., Kurihara T., Hevér A., Nagy Sz., Ocsosvzki I., Tanaka M., Molnár J.:
Synthesis and antitumor activity of 1-[2-(chloroethyl)-3-(2-substituted-10H-phenothiazin-10-yl)alkyl-1 ureas as potent anticancer agents.
Anticancer Res. 16, 2525-2532 (1996)
IF: 1,049
26. Kurihara T., Motohashi N., Pang G.-L., Higano M., Kiguchi K., Molnár J.:
Correlations between topological resonance energy of methyl-substituted benz[*c*]acridines, benzo[*a*]phenothiazines and chrusenes, and their carcinogenic or antitumor activities.
Anticancer Res. 16, 2757-2766 (1996)
IF: 1,049
27. Tanaka M., Csúri K., Molnár J., Motohashi N.:
Diverse mutagenicity of methylbenz[*c*]acridines in the direct Ames' Salmonella mutagenicity assay.
Anticancer Res. 16, 2837-2842 (1996)
IF: 1,049
28. Pusztai R., Motohashi N., Párkányi C., Aaron J.-J., Rao B.K., Molnár J.:
Relationship between tumor (T) antigen expression and substituent effects on benzo[*a*]phenothiazines.
Anticancer Res. 16, 2961-2964 (1996)
IF: 1,049
29. Tanaka M., Wayda K., Molnár J., Motohashi N.:
Antimutagenicity of benzo[*a*]phenothiazines in chemically induced mutagenesis.
Anticancer Res. 16, 3625-3628 (1996)
IF: 1,049
30. Székely Z., Kónya Z., Becskei A., Goldring W.P.D., Perczel A., Penke B., Molnár J., Aszalós A., Csizmadia I.G.:
Suggested binding mechanism of the HIV-gp120 to its CD4 receptor.
J. Mol. Structure 367, 159-186 (1996)
IF: 0,867

31. Tanaka M., Csúri K., Mucsi I., Molnár J., Galy J.P., Barbe J.:
Mutagenicity of synthetic acrodones and thioacridines in direct Ames salmonella mutagenicity assay.
Heterocyclic Commun. 2, 463-469 (1996)
32. Timari G., Soós T., Hajós Gy., Messmer A., Nacsa J., Molnár J.:
Synthesis of novel ellipticine analogues and their inhibition of Moloney leukaemia reverse transcriptase.
Bioorganic & Med. Chem., Letters 6, 2831-2836 (1996)
IF: 1,646
33. Hevér A., Nacsa J., Brouant P., Mahamoud A., Molnár J., Barbe J.:
Antiparasitic acridine related derivatives reverse multidrug resistance of tumors, inhibited cell proliferation and reverse transcription.
Trop. Med. Int. Health 1, A17-A39 (1996)
34. Barbe J., Mándi Y., Hevér A., Petri I., Galy J.P., Molnár J.:
Effects of acridines on bacterial plasmid replication and endotoxin.
In Vivo 10, 601-606 (1996)
35. Molnár J.:
Antibacterial, anti-plasmid and immunomodulatory effects of phenothiazines.
Prog. European Congress of Chemoth. GLASGOW 14-17 May (1996)
36. Tanaka M., Molnár J., Kidd S.:
Antimutagenicity of phenothiazine-metal co-ordination complex in chemically induced mutagenesis.
Anticancer Res. 17, 381-386 (1997)
IF: 1,045
37. Molnár J., Hevér A., Fakla I., Fischer J., Ocsovszki I., Aszalós A.:
Inhibition of the transport function of membrane proteins by some substituted phenothiazines in *E. coli* and multidrug resistant tumor cells.
Anticancer Res. 17, 481-486 (1997)
IF: 1,045
38. Tanaka M., Wayda K., Molnár J., Párkányi C., Aaron J.-J., Motohashi N.: Antimutagenicity of benzo[*a*]phenothiazines in chemically induced mutagenesis. *Anticancer Res.* 17, 839-842 (1997)
IF: 1,045
39. Kerim Ablikim, Pang G.-L., Motohashi N., Etsumi D., Muramatsu T., Kurihara T., Molnár J.:
Relationship between resonance energy and carcinogenicity of azaarenes.
Anticancer Res. 17, 1011-1018 (1997)
IF: 1,045
40. Komatsu N., Motohashi N., Fujimaki M., Molnár J.:
Induction of a protective immunity in mice against *Escherichia coli* by phenothiazines, 10-[*n*-(phthalimido)alkyl-2-substituted-10*H*-phenothiazin-10-yl] alkyl-1-ureas.
In Vivo 11, 13-16 (1997)

41. Molnár J.:
New drug effects on bacteria, the antiplasmid effect.
Acta Microbiol. Immunol. Hung. 44, 21-26 (1997)
42. Hewlett I., Lee S., Molnár J., Földeák S., Pine P.S., Weaver J.L., Aszalós A.:
Inhibition of HIV infection of H9 cells by chlorpromazine derivatives.
J. Acquired Immune Deficiency Syndromes and Human Retrovirology 15, 16-20 (1997)
IF: 2,573
43. Kidd S.E., Nelson M.J., Epstein M., Aszalós A., Pine S., Molnár J.:
Inhibition of GP 120 and antibodies binding to CD4 by metal complexes of promazines.
Antiinfective Drugs and Chemother. 15, 71-77 (1997)
44. Nacsá J., Segesdi J., Gyuris A., Braun T., Rausch H., Buvári-Barcza Á., Barcza L.,
Minárovits J., Molnár J.:
Antiretroviral effects of nonderivatized C60 *in vitro*.
Fullerene Science and Technology 5, 969-976 (1997)
IF: 0,49
45. Gutmann F., Johnson C., Keyzer H., Molnár J.:
Charge Transfer Complexes in Biological Systems.
Marcel Dekker, Inc., New York-Basel-Hong Kong (1997)
46. Wounola M.A., Palfreyman M.G., Motohashi N., Kawase M., Gabay S., Nacsá J., Molnár
J.:
The primary *in vitro* antitumor screening of "half-mustard type" phenothiazines.
Anticancer Res. 17, 3409-3424 (1997)
IF: 1,045
47. Wounola M.A., Palfreyman M.G., Motohashi N., Kawase M., Gabay S., Molnár J.:
The *in vitro* antitumor assay of "half-mustard type" phenothiazines in screens of AIDS-
related leukemia and lymphomas.
Anticancer Res. 17, 3425-3430 (1997)
IF: 1,045
48. Motohashi N., Kurihara T., Yamanaka W., Satoh K., Sakagami H., Molnár J.:
Relationship between biological activity and dipole moment in benzo[a]phenothiazines.
Anticancer Res. 17, 3431-3436 (1997)
IF: 1,045
49. Motohashi N., Kurihara T., Kawase M., Hevér A., Tanaka M., Szabó D., Nacsá J.,
Yamanaka W., Kerim A., Molnár J.:
Drug resistance reversal, anti-mutagenicity and antiretroviral effect of phthalimido- and
chloroethyl-phenothiazines.
Anticancer Res. 17, 3537-3544 (1997)
IF: 1,045
50. Wounola M.A., Palfreyman M.G., Motohashi N., Kawase M., Gabay S., Gupta R.R.,
Molnár J.:
The primary *in vitro* anticancer activity of "half-mustard type" phenothiazines in NIC's
revised anticancer screening paradigm.
Anticancer Res. 18, 337-348 (1998)
IF: 1,236

51. Nacsa J., Nagy L., Molnár J., Molnár J.:
Trifluoperazine and its metal complex inhibit the Moloney leukemia virus reverse transcriptase.
Anticancer Res. 18, 1373-1376 (1998)
IF: 1,236
52. Shah A., Naliapara Y., Sureja D., Motohashi N., Kawase M., Miskolci C., Szabó D., Molnár J.:
6,12-Dihydro-1-benzopyrano[3,4-*b*][1,4]benzothiazin-6-ones: synthesis and *mdr* reversal in tumor cells.
Anticancer Res. 18, 3001-3004 (1998)
IF: 1,236
53. Mucsi I., Molnár J., Tanaka M., Santelli-Rouvier C., Patelis A.-M., Galy J.- P., Barbe J.:
Effect of acridine derivatives on the multiplication of herpes simplex virus.
Anticancer Res. 18, 3011-3016 (1998)
IF: 1,236
54. Molnár J., Szabó D., Mándi Y., Fischer J., Varga A., König S., Motohashi N.:
Multidrug resistance reversal in mouse lymphoma cells by heterocyclic compounds.
Anticancer Res. 18, 3033-3038 (1998)
IF: 1,236
55. Szabó D., Molnár J.:
The role of stereoselectivity of chemosensitizers in the reversal of multidrug resistance of mouse lymphoma cells.
Anticancer Res. 18, 3039-3044 (1998)
IF: 1,236
56. Mándi Y., Ocsovszki I., Szabó D., Nagy Z., Nelson J., Molnár J.:
Nitric oxide production and MDR expression by human brain endothelial cells.
Anticancer Res. 18, 3049-3052 (1998)
IF: 1,236
57. Hevér A., Santelli-Rouvier C., Brouant P., El Khyari S., Molnár J., Barra Y., Barbe J.:
Effect of new thioacridine derivatives on the P-gp function and on *mdr1* gene expression.
Anticancer Res. 18, 3053-3058 (1998)
IF: 1,236
58. Nacsa J., Nagy L., Sharples D., Hevér A., Szabó D., Ocsovszki I., Varga A., König S., Molnár J.:
The inhibition of SOS-responses and MDR by phenothiazine-metal complexes.
Anticancer Res. 18, 3093-3098 (1998)
IF: 1,236
59. Fakla I., Hevér A., Molnár J., Fischer J.:
Tomato lectin labels the 180 kD glycoform of P-glycoprotein in rat brain capillary endothelia and *mdr* tumor cells.
Anticancer Res. 18, 3107-3112 (1998)
IF: 1,236
60. Kurihara T., Motohashi N., Kobayashi H., Yamanaka W., Dohyashki S-I., Molnár J.:
Interaction of chlorpromazine with 2'-deoxyguanosine-5'-monophosphate by PM3 calculation.
Anticancer Res. 18, 3493-3498 (1998)
IF: 1,236

61. *Non Antibiotics. A New Class of Unrecognised Antimicrobics.* Boda 1-384 Ed by A.N. Chakrabarty, J. Molnár S.G. Dastidar, N. Motohashi, Nat. Inst. Sci. Commun. (CSIR) New Delhi, India (1998)
62. Konoshima T., Takasaki T., Tokuda H., Morimoto S., Tanaka H., Kawata E., Xuan L.J., Saito H., Sugiura M., Molnár J., Shoyama Y.:
Crocin and crocetin derivatives inhibit skin tumour promotion in mice.
Phytotherapy Res. 12, 400-404 (1998)
IF: 0,509
63. Szabó D., Szabó G., Jr., Ocsovszki I., Aszalós A., Molnár J.:
Anti-psychotic drugs reverse multidrug resistance of tumor cell lines and human AML cells ex-vivo.
Cancer Letters 139, 115-119 (1999)
IF: 1,518
64. Molnár J.:
Gyógyszer-rezisztencia visszafordítása a baktériumoktól a daganatsejtekig.
(Gyógyszerkutatás előre megtervezett hatású vegyületek előállításával.)
Orvosi Hetilap 140, 2155-2160 (1999)
65. Motohashi, Nagashima H., Molnár J.:
Trichloroethylene I. Carcinogenicity of trichloroethylene.
In vivo 13, 211-214 (1999)
IF: 0,749
66. Motohashi, Nagashima H., Molnár J.:
Trichloroethylene II. Mechanism of carcinogenicity of trichloroethylene.
In vivo 13, 215-220 (1999)
IF: 0,749
67. Motohashi, Nagashima H., Molnár J.:
Trichloroethylene III. Prediction of carcinogenicity of investigated compounds including trichloroethylene.
In vivo 13, 221-224 (1999)
IF: 0,749
68. Motohashi N., Kurihara T., Satoh K., Sakagami H., Mucsi I., Pusztai R., Szabó M., Molnár J.:
Antitumor activity of benzo[a]phenothiazines.
Anticancer Res. 19, 1837-1842 (1999)
IF: 1,375
69. Motohashi N., Kurihara T., Sakagami H., Szabó D., Csúri K., Molnár J.:
Chemical structure and tumor type specificity of "half-mustard type" phenothiazines.
Anticancer Res. 19, 1859-1864 (1999)
IF: 1,375
70. Kurihara T., Nojima K., Sakagami H., Motohashi N., Molnár J.:
Electronic structure and cytotoxic activity of "half-mustard type" phenothiazines by MM3 and PM3 methods.
Anticancer Res. 19, 3895-3900 (1999)
IF: 1,375

71. Kurihara T., Motohashi N., Sakagami H., Molnár J.:
Relationship between cytotoxic activity and dipole moment for phthalimido- and chloroethyl-phenothiazines.
Anticancer Res. 19, 4081-4084 (1999)
IF: 1,375
72. Motohashi N., Kawase M., Saito S., Miskolci Cs., Berek L., Molnár J.:
Plasmid elimination and immunomodulation by 3-benzazepines in vitro.
Anticancer Res. 19, 5075-5078 (1999)
IF: 1,375
73. Gaveriya H., Motohashi N., Kawase M., Saito S., Sakagami H., Satoh H., Tada Y., Solymosi Á., Wolfard K., Molnár J.:
3,5-Diacetyl-1,4-dihydropyridines: synthesis and MDR reversal in tumor cells.
Anticancer Res. 20, 373-378 (2000)
IF: 1,331
74. Molnár J., Szabó D., Pusztai R., Mucsi I., Berek L., Ocsovszki I., Kawata E., Shoyama Y.:
Membrane associated antitumor effects of crocine-, ginsenoside- and cannabinoid derivatives.
Anticancer Res. 20, 861-868 (2000)
IF: 1,331
75. J. Molnár:
Models for reversal of resistance. Prog. 21st Int. Cong. Of Chemotherapy BIRMINGHAM
4-7 July p:31, p: 75 (1999)
76. Szabó D., Keyzer H., Kaiser H.E., Molnár J.:
Reversal of multidrug resistance of tumor cells.
Anticancer Res. 20, 4261-4274 (2000)
IF: 1,331
77. Motohashi N., Kawase M., Shirataki Y., Tani S., Saito S., Sakagami H., Kurihara T., Nakashima H., Wolfard K., Mucsi I., Varga A., Molnár J.:
Biological activity of feijoa peel extracts.
Anticancer Res. 20, 4323-4330 (2000)
IF: 1,331
78. Hajós Gy., Riedl Zs., Molnár J., Szabó D.:
Nonnucleoside reverse transcriptase inhibitors.
Drugs of the Future 25, 47-62 (2000)
IF: 0,015
79. Motohashi N., Kawase M., Saito S., Kurihara T., Satoh K., Nakashima H., Premanathan M., Arakaki R., Sakagami H., Molnár J.:
Synthesis and biological activity of *N*-acylphenothiazines.
Int. J. Antimicrob. Agents 14, 203-207 (2000)
IF: 1,141
80. Gunics Gy., Motohashi N., Amaral L., Farkas S., Molnár J.:
Interaction between antibiotics and non-conventional antibiotics on bacteria.
Int. J. Antimicrob. Agents 14, 239-242 (2000)
IF: 1,141

81. Miskolci Cs., Labádi I., Kurihara T., Motohashi N., Molnár J.:
Guanine-cytosine rich regions of plasmid DNA can be the target in anti-plasmid effect of phenothiazines.
Int. J. Antimicrob. Agents 14, 243-247 (2000)
IF: 1,141
82. Hohmann J., Evanics F., Dombi Gy., Molnár J., Szabó P.:
Euphosalicin, a nem diterpene polyester with multidrug resistance reversing activity from *Euphorbia salicifolia*.
Tetrahedron 57, 211-215 (2001)
IF: 2,276
83. Berek L., Szabó D., Petri I.B., Shoyama Y., Lin Y.-H., Molnár J.:
Effects of naturally occurring glucosides, solasodine glucosides, ginsenosides and parishin derivatives on multidrug resistance of lymphoma cells and leukocyte functions.
In vivo 15, 151-156 (2001)
IF: 0,97
84. Berek L., Petri I.B., Mesterházy Á., Téren J., Molnár J.:
Effects of mycotoxins on human immune functions *in vitro*.
Toxicology in Vitro 15, 25-30 (2001)
IF: 0,839
85. Mucsi I., Molnár J., Motohashi N.:
Combination of benzo[a]phenothiazines with acyclovir against herpes simplex virus.
Int. J. Antimicrob. Agents 18, 67-72 (2001)
IF: 1,412
86. Varga A., Sabat R., Mucsi I., Flores V.C., Kaiser H.E., Molnár J.:
Effects of butaclamol, clopenthixol, mepromazine and cannabiol stereoisomers on apoptosis induction.
Anticancer Res. 21, 2709-2712 (2001)
IF: 1,416
87. Sharples D., Hajós Gy., Riedl Zs., Csányi D., Molnár J., Szabó D.:
Ellipticine analogues and related compounds as inhibitors of reverse transcriptase and as inhibitors of the efflux pump.
Arch. Pharm. Pharm. Med. Chem. 334, 269-274 (2001)
88. Kawase M., Motohashi N., Sakagami H., Kanamoto T., Nakashima H., Ferenczy L., Wolfard K., Miskolci Cs., Molnár J.:
Antimicrobial activity of trifluoromethyl ketones and their synergism with promethazine.
Int. J. Antimicrob. Agents 18, 161-165 (2001)
IF: 1,412
89. Molnár J., Kontraszti M., Lugasi A., Wolfard K., Mucsi I., Szabó M., Varga A.:
The reversal of multidrug resistance of mouse lymphoma cells by flavons and plant phenolics. In:
COST 916 - *Molecular and Genetic Interactions Involving Phytochemicals*, eds. I. Kreft and V. Skrabanja, Univ. Ljubljana; pp. 63-65 (2001)

90. Molnár J., Solymosi Á., Mucsi I., Szabó M., Kontraszti M.:
The reversal of multidrug resistance of mouse lymphoma cells by plant constituents.
In: COST Action 916 - *Bioactive micronutrients in Mediterranean diet and health*, R. Amado, D. Lairon, M. Gerber, G. Maiani, B. Abt, Belgium; pp. 255-256 (2001)
91. Shirataki Y., Motohashi N., Tani S., Sunaga K., Sakagami H., Satoh K., Nakashima H., Kanamoto T., Wolfard K., Molnár J.:
Antioxidative activity of *Allium victorialis* L. extracts.
Anticancer Res. 21, 3331-3340 (2001)
IF: 1,416
92. Mucsi I., Molnár J., Hohmann J., Rédei D.:
Cytotoxicities and anti-herpes simplex virus activities of diterpenes isolated from *Euphorbia* species.
Planta Med. 67, 672-674 (2001)
IF: 2,085
93. Motohashi N., Kurihara T., Wakabayashi H., Yaji M., Mucsi I., Molnár J., Maruyama S., Sakagami H., Nakashima H., Tani S., Shirataki Y., Kawase M.:
Biological activity of a fruit vegetable, "Anastasia Green", a species of sweet pepper.
In Vivo 15, 437-442 (2001)
IF: 0,97
94. Bobrowska-Hagerstrand M., Wrobel A., Rychlik B., Bartosz G., Soderstrom T., Shirataki Y., Motohashi N., Molnar J., Michalak K., Hagerstrand H.:
Monitoring of MRP-like activity in human erythrocytes: inhibitory effect of isoflavones.
Blood Cells Mol. Dis. 5, 894-900 (2001)
IF: 2,897
95. G. Gunics, N. Motohashi, J. Molnár, S. Farkas, M. Kawase, S. Saito and A. Shah:
Enhanced Antibacterial Effect of Erythromycin in the Presence of 3,5-Dibenzoyl-1,4 Dihydro pyridines
Anticancer Res. 21. 269-274 (2001)
IF: 1,416
96. Gy. Gunics, N. Motohashi, J. Molnár:
The modification of antibacterial effect of erythromycin in the presence of dihydropyridines
Acta Microbiologica et Immunologica Hungarica 48. 238 (2001)
97. J. Molnár, Gy. Gunics, Cs. Miskolci, K. Wolfard:
Models for reversal of resistance
Acta Microbiologica et Immunologica Hungarica 48. 256 (2001)
98. J. Hohmann, D. Rédei, I. Máté, P. Forgó, G. Blazsó, Gy. Falkay, J. Molnár, K. Wolfárd, A. Molnár and T. Thalhammer:
Chemical and Pharmacological investigation of Macrocyclic Diterpenoids isolated from *Euphorbia* species
6th International Symposium of Poisonous Plants, Glasgow, Scotland p 15. (2001)

99. Molnár J., Mucsi I., Hohmann J., J.T. Kiss, Molnár P., Tóth, T. Talhammer:
New compounds to reverse multidrug resistance of cancer cells.
Abstract *Abstracts of the IAR Conference on New Anticancer Agents, Athens, Greece 9-12 June* pp. 1603 (2001)
100. J.T. Kiss, József A Szabó, Göndös György, Mucsi Ilona, A. Molnár, T. Talhammer,
J. Molnár:
Multidrug res reversal effect of.....
Abstract *Abstracts of the IAR Conference on New Anticancer Agents, Athens, Greece 9-12 June* pp. 1603 (2001)
101. B. Nagy, I. Mucsi, J. Molnár, L. Thurzó:
Attempt to detect in vitro radio..... effect of chemother. agents Abstract *Abstracts of the IAR Conference on New Anticancer Agents, Athens, Greece 9-12 June 2001*
102. Nagy B., Mucsi I., Molnár J., Thurzó L.:
Combined effect of cisplatin and 5-fluorouracil with irradiation on tumor cells *in vitro*.
Anticancer Res. 22, 135-138 (2002)
IF: 1,447
103. Kawase M., Sakagami H., Furuya K., Kikuchi H., Nishikawa H., Motohashi N.,
Morimoto Y., Varga A., Molnár J.:
Cell death-inducing activity of opiates in human oral tumor cell lines.
Anticancer Res. 22, 211-214 (2002)
IF: 1,447
104. Flores C.V., Keyzer H., Kim H.K., Molnar J.:
Interaction of protonated anticancer thiazines with water-insoluble phospholipids and
antineoplastic agents.
Anticancer Res. 22, 959-968 (2002)
IF: 1,447
105. Kawase M., Shah A., Gaveriya H., Motohashi N., Sakagami H., Varga A., Molnar
J.:
3,5-Dibenzoyl-1,4-dihydropyridines: synthesis and MDR reversal in tumor cells.
Bioorg. Med. Chem. 10, 1051-1055 (2002)
IF: 2,043
106. Motohashi N., Shirataki Y., Kawase M., Tani S., Sakagami H., Satoh K., Kurihara
T., Nakashima H., Mucsi I., Varga A., Molnar J.:
Cancer prevention and therapy with kiwifruit in Chinese folklore medicine: a study of
kiwifruit extracts.
J. Ethnopharmacol. 81, 357-364 (2002)
IF: 1,188

107. Misbahi H., Brouant P., Hever A., Molnar A., Wolfard K., Spengler G., Mefetah H., Molnar J., Barbe J.:
Benzo[b]-1,8-naphthyridine derivatives: synthesis and reversal activity on multidrug resistance.
Anticancer Res. 22, 2097-2102 (2002)
IF: 1,447
108. Mucsi I., Varga A., Kawase M., Motohashi N., Molnar J.:
Interaction between various resistance modifiers and apoptosis inducer 12H-benzo[a]phenothiazine.
Anticancer Res. 22, 2833-2836 (2002)
IF: 1,447
109. Weselowska O., Molnar J., Motohashi N., Michalak K.:
Inhibition of P-glycoprotein transport function by N-acylphenothiazines.
Anticancer Res. 22, 2863-2868 (2002)
IF: 1,447
110. Hohmann J., Molnar J., Redei D., Evanics F., Forgo P., Kalman A., Argay Gy., Szabo P.:
Discovery and biological evaluation of a new family of potent modulators of multidrug resistance: reversal of multidrug resistance of mouse lymphoma cells by new natural jatrophane diterpenoids isolated from *Euphorbia* species.
J. Med. Chem. 45, 2425-2431 (2002)
IF: 4,566
111. Michalak K., Hendrich A.B., Wesolowska O., Pola A., Lania-Pietrzak B., Motohashi N., Shirataki Y., Molnar J.:
Lipid membrane perturbation caused by some isoflavones and phenothiazines, and the activity of these compounds as inhibitors of multidrug resistance.
Cell. Mol. Biol. Letters 7, 293 (2002)
IF: 0,651
112. Gunics Gy., Farkas S., Motohashi N., Shah A., Harsukh G., Kawase M., Molnar J.:
Interaction between 3,5,-diacetyl-1,4-dihydropyridines and ampicillin, and erythromycin on different *E. coli* strains.
Int. J. Antimicrob. Agents 20, 227-229 (2002)
IF: 1,584
113. Berek L., Petri I.B., Molnar J., Shoyama Y., Kawase M. and Motohashi N.:
Structure-activity relationship of the immunomodulatory drugs.
Recent Res. Devel. Chem. Pharm. Sciences 2, 125-135 (2002)
114. Hohmann J., Forgo P., Molnar J., Wolfard K., Molnar A., Thalhammer T., Mathe I., Sharples D.:
Antiproliferative amaryllidaceae alkaloids isolated from the bulbs of *Sprekelia formosissima* and *Hymenocallis × festalis*.
Letter Planta Med. 68, 452-454 (2002)

115. Ordway D., Viveiros M., Leandro C., Arroz M.J., Molnar J., Kristiansen J.E., Amaral L.: Chlorpromazine has intracellular killing activity against phagocytosed *Staphylococcus aureus* at clinical concentrations.
J. Infect. Chemother. 8, 188-5 (2002)
116. Molnár J:
Non-antibiotics effecting efflux pumps in resistant cancer cells. 4th European Congress of Chemotherapy and Infection PARIS, May 4-7. 2002. p:18.
117. Nagy B., Tizslavicz L., Eller J., Molnar J., Thurzo L.:
Ki-67, cyclin D1, p53 and Bcl-2 expression in advanced head and neck cancer.
In vivo 17, 93-96 (2003)
IF: 1,155
118. Nagy B., Mucsi I. Molnar J. Varga A. and Thurzo L.:
Chemosensitizing effect of vitamin C in combination with 5-fluorouracil in vitro.
In Vivo 17, 289-292, (2003)
IF: 1,155
119. Motohashi N., Wakabayashi H., Kurihara T., Takada Y., Maruyama S., Sakagami H., Nakashima H., Tani S., Kawase M., Wolfard K., Molnár J.:
Biological activity of a fruit vegetable, "anastasia red", a species of sweet pepper.
Phytotherapy Res. 17, 348-352 (2003)
IF: 0,875
120. Sandrine Gallo, Siham Atifi, Abdallah Mahamoud, Christiane Santelli-Rouvier, Krisztina Wolfárt, Jozsef Molnar, Jacques Barbe:
Synthesis of aza mono, bi and tricyclic compounds. Evaluation of their anti MDR activity
European J. of Med. Chem 38 19-26 (2003)
IF: 1,681
121. Sandrine Alibert, Chistiane Santielli-Rouvier, Madeleine Castaing, Michel Berthelot, Gabriella Spengler, Jozsef Molnar, Jacques Barbe:
Effects of series of dihydroanthracene derivatives on drug efflux in multidrug resistant cancer cells
European J. of Med. Chem 38 253-263 (2003)
IF: 1,681
122. Bhattiproulu Kesava Rao, Noboru Motohashi, Masami Kawase, Gabriella Spengler and Joseph Molnar:
Multidrug resistance reversal in mouse lymphoma cells by indian tea leaves, Indian coffee seeds and chicory
Oriental Pharm. And Experimental Med. 3(2), 100-105 (2003)
123. Andrzej B. Hendrich, Olga Wesolowska, Andrzej Pola, Noboru Motohashi, Joseph Molnar and Krystyna Michalak:
Neither lipophilicity nor membrane-perturbing potency of phenothiazine maleates correlate with the ability to inhibit P-glycoprotein transport activity
Mol. Membrane Biology 20, 53-60 (2003)
IF: 4,82

124. Malgorzata Bobrowska-Hägerstrand, Anna Wróbel, Lucyna Mrówczyńska, Thomas Söderström, Yoshiaki Shirataki, Noboru Motohashi, Joseph Molnár, Krystyna Michalak and Henry Hägerstrand:
Flavonoids as Inhibitors of MRP1-Like Efflux Activity in human Erythrocytes. A Structure-Activity Relationship Study
Onc. Res. 13, 463-469 (2003)
IF: 1,794
125. Diane Ordway, Judith Hohmann, Miguel Viveiro, Antonio Viveriros, Joseph Molnár, Clara Leandro, Maria Jorge Arroz, Maria Amelia Gracio and Leonard Amaral:
Carpobrotus edulis Methanol Extract Inhibits the MDR Efflux Pumps, Enhances Killing of Phagocytosed S. aureus and Promotes Immune Modulation
Phytother. Res. 17, 512-519 (2003)
IF: 0,803
126. Masami Kawase, Noboru Motohashi, Kazue Satoh, Hiroshi Sakagami, Hideki Nakashima, Satoru Tani, Yoshirataki Shirataki, Teruo Kurihara, Gabriella Spengler, Krisztina Wolfard and Joseph Molnár:
Biological Activity of Persimmon (Diospyros kaki) Peel Extracts
Phytother. Res. 17, 495-500 (2003)
IF: 0,803
127. Joseph Molnár, Annamária Molnár, Ilona Mucsi, Oliver Pinter, Beatrix Nagy, Andreas Varga and Noboru Motohashi:
Reversal of Multidrug Resistance in Mouse Lymphoma Cells by Phenothiazines
In Vivo 17, 145-150 (2003)
IF: 0,753
128. Diane Ordway, Miguel Viveiros, Clara Leonardo, Rosário Bettencourt, Josefina Almeida, Marta Martins, Jette E. Kristiansen, Joseph Molnár and Leonard Amaral:
Clinical Concentrations of Thioridazine Kill Intracellular Multidrug-Resistant Mycobacterium tuberculosis
Antimicrobial Agents and Chemotherapy Vol. 47, No. 3, 917-922 (2003)
IF: 4,246
129. A. Molnár, L. Amaral and J. Molnár:
Anti-plasmid effect of promethazine in mixed bacterial cultures
International Journal of Antimicrobial Agents Vol. 22/3 217-222 (2003)
IF: 1,95
130. Plasmid curing effect in mixed bacterial communities
Prog. 5th Eu Congr. of chemoth infection RHODES, Greece, Oct. 17-20, 2003 p. 120
131. G. Spengler, A. Miczák, E. Hajdú, M. Kawase, L. Amaral and J. Molnár:
Enhancement of plasmid curing by 9-aminoacridine and two phenothiazines in the presence of proton pump inhibitor 1-(2-benzoxazolyl)-3,3,3-trifluoro-2-propanone
International Journal of Antimicrobial Agents Vol. 22/3 223-227 (2003)
IF: 1,95

132. B. Nagy, J. Molnár, L. Rovó, R. Panocza, L. Thurzó:
Effective chemoradiotherapy without additive toxicity in locoregionally advanced head and neck cancer
Anticancer Res. 23.: 4329-4332 (2003)
IF: 1,347
133. K. Brachwitz, B. Voigt, L. Meijer, O. Lozach, C. Schachtele, J. Molnár and A. Hilgeroth:
Evaluation of the First Cytostatically Active 1-Aza-9-oxafluorenes as Novel Selective CDK1 Inhibitors with P-glycoprotein Modulating Properties
Journal of Medicinal Chemistry 3.-9(2003)
IF: 4,82
134. M. Palotás, A. Palotás, L. G. Puskás, K. Kitajka, M. Pákási, Z. Janka, J. Molnár, B. Penke and J. Kálmán:
Gene expression profile analysis of the rat cortex following treatment with imipramine and citalopram
International Journal of Neuropsychopharmacology. 401-443 (2004)
IF: 4,0
135. G. Spengler, A. Molnar, G. Klausz, Y. Mandi, M. Kawase, N. Motohashi, J. Molnar:
Inhibitory action of a new proton pump inhibitor, trifluoromethyl ketone derivative, against the motility of clarithromycin-susceptible and-resistant *Helicobacter pylori*.
International Journal of Antimicrobial Agents 23. 631-633 (2004)
IF: 1,95
136. A. Molnar, K. Wolfart, M. Kawase, N. Motohashi, J. Molnar:
Effect of Trifluoromethyl Ketone on the Motility of Proton Pump-deleted Mutant of *Escherichia coli* Strain and its Wild-Type
In Vivo 18. 505-508(2004)
IF: 0,753
137. A.M. Madureira, M-J. U. Ferreira, N. Gyémánt, K. Ugocsai, J. R. Ascenso, P.M. Abreu, J. Hohmann, J. Molnar:
Rearranged Jatrophone-Type Diterpenes from *Euphorbia* Species. Evaluation of their Effects on the Reversal of Multidrug Resistance
Planta Med 70. 45-49 (2004)
IF: 1,879
138. M. Martins, W. Bleiss, A. Marko, D. Ordway, M. Viveiros, C. Leonardo, T. Pacheco, J. Molnar, J. E. Kristiansen, L. Amaral:
Clinical Concentrations of Thioridazine Enhance the Killing of Intracellular Methicillin-resistant *Staphylococcus aureus*: an In Vivo, Ex Vivo and Electron Microscopy Study
In Vivo 18. 787-794 (2004)
IF: 0,753
139. L. Amaral, M. Viveiros, J. Molnar:
Antimicrobial Activity of Phenothiazines
In Vivo 18. 725-732 (2004)
IF: 0,753

- 140.J. Molnar, N. Gyémánt, I. Mucsi, A. Molnar, M. Szabó, T. Körtvélyesi, A. Varga, P. Molnar, Gy. Tóth:
Modulation of Multidrug Resistance and Apoptosis of Cancer Cells by Selected Carotenoids
In Vivo 18. 237-244 (2004)
IF: 0,753
- 141.K. Wolfart, A. Molnar, M. Kawase, N. Motohashi, J. Molnar:
Effects of Trifluoromethyl Ketones on the Motility of *Proteus vulgaris*
Biol. Pharm. Bull. 27 1462-1464 (2004)
IF: 1,127
- 142.N. Motohashi, H. Wakabayashi, T. Kurihara, H. Fukushima, T. Yamada, M. Kawase, Y. Sohara, S. Tani, Y. Shirataki, H. Sakagami, K. Satoh, H. Nakashima, A. Molnar, G. Spengler, N. Gyémánt, K. Ugocsai, J. Molnar:
Biological activity of Barbados cherry (*Acerola* fruits, fruit of *Malpighia emarginata* DC) extracts and fractions
Phytother. Res. 18. 212-223 (2004)
IF: 0,803
- 143.Nagy, Zs. Riedl, Gy. Hajós, A. Messmer, N. Gyémánt, J. Molnar:
Synthesis of new terazolyldienylphenothiazines as potential multidrug resistance inhibitory compounds
ARKIVOC 177-182 (2004)
IF: 0,392
- 144.A Palotás, L.G. Puskás, K. Kitajka, M. Palotás, J. Molnár, M. Pákási, Z. Janka, B. Penke, J. Kálmán:
The Effect of Citalopram on Gene Expression Profile of Alzheimer Lymphocytes
Neurochemical Research 29 1563-1570 (2004)
IF: 1,511
- 145.J. Hohmann, D. Rédei, I. Máté, P. Forgó, G. Blazsó, G. Falkay, J. Molnár, K. Wolfárd, A. Molnár, T. Thalhammer:
Chemical and Pharmacological Investigation of Macrocyclic Diterpenoids Isolated from *Euphorbia* Species *CABI Publishing Poisonous Plants and Related Toxins* UK 96-101. (2004)
- 146.S. Saponara, M. Kawase, A. Shah, N.Motohashi, J. Molnar, K. Ugocsai, G. Sgaragli F. Fusi:
3,5-Dibenzoyl-4-(3-phenoxyphenyl)-1,4-dihydro-2,6-dimethylpyridine (DP7) as a new multidrug resistance reverting agent devoid of effect on vascular smooth muscle contractility
British Journal of Pharmacology 141. 415-422 (2004)
IF: 3,611
- 147.Nagy B., Molnár J., Rovó L., Paczona R., Thúrzó L.:
Kis dózisú kemoterápiával kombinált sugárterápiával szerzett eredményeink lokálisan előrehaladott stádiumú fej-nyaki rákban
Magyar Onkológia 48/2 145-149 (2004)

148. Hohmann J. és Molnár J.:
Euphorbiaceae diterpének: növényi toxinok vagy terápiás szempontból ígéretes molekulák?
Acta Pharmaceutica Hungarica 74. 149-157(2004)
149. Richter M., Gyemant N., Molnar J., Ferreira MJ.:
Comparative effects on intestinal absorption in situ by P-glycoprotein-modifying HIV protease inhibitors
Pharm Res (10):1862-68 (2004)
IF: 2,94
150. Madureira AM, Molnar A, Abreu PM, Molnar J, Ferreira MJ:
A new sesquiterpene-coumarin ether and a new abietane diterpene and their effects as inhibitors of P-glycoprotein
Planta Med. 828-833 (2004)
IF: 1,879
151. Szlavik L, Gyuris A, Minárovits J, Forgo P, Molnar J, Hohmann J:
Alkaloids from *leucojum vernum* and antiretroviral activity of Amaryllidaceae alkaloids
Planta Med. 871-873 (2004)
IF: 1,879
152. Kurihara T, Yamada T, Yamamoto A, Kawase M, Motohashi N, Sakagami H, Molnar J:
Relationship between electronic structure and cytotoxic activity of dopamine and 3-benzazepine derivatives
In Vivo 443-448 (2004)
IF: 0,811
153. Palotas A, Puskas LG, Kitajka K, Palotas M, Molnar J, Pakasi M, Janka Z, Penke B, Kalamn J:
Altered response to mirtazapine on gene expression profile of lymphocytes from Alzheimer's patients
Eur J Pharmacol 247-254 (2004)
IF: 2,352
154. Madureira AM, Spengler G, Molnar A, Varga A, Molnar J, Abreu PM, Ferreira MJ:
Effects of cycloartanes on reversal of multidrug resistance and apoptosis induction on mouse lymphoma cells
Anticancer Research 24. 859-864(2004)
IF: 1,347
155. Valente C, Ferreira MJ, Abreu PM, Gyemant N, Ugocsai K, Hohmann J, Molnar J:
Pubescenes, jatrophone diterpenes, from *Euphorbia pubescens*, with multidrug resistance reversing activity on mouse lymphoma cells
Planta Med 70 pp 81-84 (2004)
IF: 1,879

156. Ana M. Madureira, Maria-Juse U. Ferreira, Nora Gyémánt, Katalin Ugocsai, José R. Ascenso, Pedro M. Abreu, Judith Hohmann, Joseph Molnár:
Rearranged Jatrophone-Type Diterpenes from Euphorbia Species. Evaluation of their Effects on the Reversal of Multidrug Resistance
Planta Med 70:45-49 (2004)
IF: 1,879
157. Gabriella Spengler, Annamária Molnár, G. Klausz, Yvette Mándi, M. Kawase, N. Motohashi and J. Molnár:
The antimotility action of atrifluoromethyl ketone on some Gram-negative bacteria
Acta Microbiologica et Immunologica Hungarica 51: 351-358 (2004)
158. Nóra Gyémánt, Annamária Molnár, Gabriella Spengler, Yvette Mándi, Margit Szabó and Joseph Molnár:
Bacterial models for tumor development (Mini-Review)
Acta Microbiologica et Immunologica Hungarica 51: 321-332 (2004)
159. J. Molnár, Annamária Molnár, Gabriella Spengler and Yvette Mándi:
Infectious plasmid resistance and efflux pump mediated resistance
Acta Microbiologica et Immunologica Hungarica 51: 333-349 (2004)
160. Joseph Molnár, Nóra Gyémánt, Ilona Mucsi, Annamária Molnár, Margaret Szabó, Tamás Körtvélyesi, András Varga, Péter Molnár:
Modulation of multidrug resistance and apoptosis of cancer cells by selected carotenoids
In Vivo 18: 237-244 (2004)
IF: 0,811
161. Olivér Pintér, László Pajor, Joseph Molnár, Árpád Márki and György Falkay:
The Role of Androgen Receptors in the Dynamic Process of Prostate Cancer: Their Analytical Determination in biopsy Material
In Vivo: 18:809-812 (2004)
IF: 0,811
162. J. Molnár, I. Mucsi, J. Nacs, A. Hevér, N. Gyémánt, K. Ugocsai, P. Hegyes, St. Kiessig, D. Gaal, H. Lage and A. Varga:
New Silicon Compounds as Resistance modifiers against Multidrug-resistant Cancer Cells
Anticancer Research 24:865-872 (2004)
IF: 1,395
163. Bhattiprolu Kesava Rao, Masami Kawase, Toru Tanaka, Satoru Tani, Noboru Motohashi, Kazue Satoh, Hiroshi Sakagami, Shigemi Terakubo, Hideki Nakashima, Krisztina Wolfard and Joseph Molnár:
Biological activity of an Indian medical plant, *Indigofera cordifolia*
Oriental Pharmacy and Experimental Medicine OPEM 4(3) 179-185 (2004)
164. Abdullah H, Hohmann J, Molnár J, Pihie AHL:
Multidrug resistance-reversing activity of *Hydnophytum formicarium*.
J Trop Med Plants Vol 5(2) Dec 173-177, 2004

165. Martins M, Ordway D, Kristiansen M, Viveiros M, Leandro C, Molnár J, Amaral L:
Inhibition of the *Carpobrotus edulis* methanol extract on the growth of phagocytosed multidrug-resistant *Mycobacterium tuberculosis* and methicillin-resistant *Staphylococcus aureus*.
Fitoterapia 76 pp 96-99 (2005)
IF: 0,845
166. Gyémánt N, Tanaka M, Antus S, Hohmann J, Csuka O, Mándoky L, Molnár J:
In vitro search for synergy between flavonoids and epirubicin on multidrug-resistant cancer cells.
In Vivo 19: 367-374 (2005)
IF: 1,037
167. Ugocsai K, Varga A, Molnár P, Antus S, Molnár J:
Effets of selected flavonoids and carotenoids on drug accumulation and apoptosis induction in multidrug-resistant colon cancer cells expressing MDR1/LRP.
In Vivo 19:433-438 (2005)
IF: 1,037
168. Molnar P, Kawase M, Satoh K, Sohara Y, Tanaka T, Tani S, Sakagami H, Nakashima H, Motohashi N, Gyemant N, Molnar J:
Biological activity of carotenoids in red paprika, Valencia orange and Golden delicious apple.
Phytother Res. (2005) Sep 21;19(8):700-707.
IF:1,192
169. Ferreira MJ, Gyemant N, Madureira AM, Molnar J:
Inhibition of P-glycoprotein transport activity in a resistant mouse lymphoma cell line by diterpenic lactones.
Anticancer Res. (2005) Sep-Oct;25(5):3259-62.
IF: 1,604
170. Kawase M, Sakagami H, Motohashi N, Hauer H, Chatterje SS, Spengler G, Vigyikanne AV, Molnar A, Molnar J:
Coumarin derivatives with tumor-specific cytotoxicity and multidrug resistance reversal activity
In Vivo Jul-Aug; 19(4): 705-12 (2005)
IF: 1,037
171. Shirataki Y, Kawase M, Sakagami H, Nakashima H, Tani S, Tanaka T, Sohara Y, Schelz Z, Molnar J, Motohashi N.
Bioactivities of anastasia black (Russian sweet pepper).
Anticancer Res. (2005) May-Jun;25(3B):1991-2000.
IF: 1,604

172. Wollmann J, Richter M, Molnar J, Hilgeroth A: First insight into the symmetry and flexibility of membrane efflux pump P-glycoprotein by novel bifunctional modulators. *Chembiochem.* (2005) Aug;6(8):1353-6.
IF: 3.94
173. Pinter O, Molnar J, Toth C, Szabo Z, Liptak J, Fel P, Papp G, Hollman E, Hazay L, Streit B, Kisbenedek L, Feher M, Kocsis I, Pajor L.
Administration of estramustine in response to changes in the prostate-specific antigen and Karnofsky index in the treatment of prostate cancer.
In Vivo. (2005) Jul-Aug;19(4):787-92.
IF: 1,037
174. Viveiros M, Jesus A, Brito M, Leandro C, Martins M, Ordway D, Molnar AM, Molnar J, Amaral L:
Inducement and reversal of tetracycline resistance in *Escherichia coli* K-12 and expression of proton gradient-dependent multidrug efflux pump genes.
Antimicrob Agents Chemother. (2005) Aug;49(8):3578-82.
IF: 4.379
175. Ugocsai K, Mandoky L, Tiszlavicz L, Molnar J.
Investigation of HER2 overexpression in non-small cell lung cancer.
Anticancer Res. (2005) Jul-Aug;25(4):3061-6.
IF: 1,604
176. Molnár J, Thornton BS, Molnár A, Gaál D, Luo L, Bergman-Leitner ES:
Thermodynamic aspects of cancer: possible role of negative entropy in tumor growth, its relation to kinetic and genetic resistance.
Letters in Drug Design & Discovery, (2005), 2, 429-438.
177. Pajak B, Molnár J, Engi H, Orzechowski A:
Preliminary studies on phenothiazine-mediated reversal of multidrug resistance in mouse lymphoma and COLO 320 cells.
In Vivo Nov-Dec; 19(6), 1101-1104, 2005.
IF: 1,037
178. Varga A, Aki-Sener E, Yalcin I, Temiz-Arpaci O, Tekiner-Gulbas B, Cherepnev G, Molnár J:
Induction of apoptosis and necrosis by resistance modifiers benzazoles and benzoxazines on tumor cell line mouse lymphoma L5718 mdr+ cells.
In Vivo Nov-Dec; 19(6), 1087-1092, (2005).
IF: 1,037
179. Sharples D, Spengler G, Molnár J, Antal Zs, Molnár A, Kiss T.J, Szabó A. J, Hilgeroth A, Gallo S, Mahamoud A, Barbe J:
The interaction between resistance modifiers such as pyrido[3,2-g]quinoline, aza-oxafluorene and pregnane derivatives with DNA, plasmid DNA and tRNA.
Eur J Med Chem 40 (2005) 195-202.
IF: 2,022

180. Nagy C, Fejer Sz, Berek L, Molnár J, Viskolcz B:
Hydrogen bondings in deoxynivalenol (DON) conformations-a density functional study.
Journal of Molecular Structure: THEOCHEM 726, 55-59, (2005).
IF: 1.44
181. Fehér L, Kálmán J, Puskás L, Gyülvézi G, Kitajka K, Penke B, Palotás M, Samarova E, Molnár J, Zvara Á, Matin K, Bódi N, Hugyecz M, Pákási M, Bjelik A, Juhász A, Bogáts G, Janka Z, Palotás A:
Impact of haloperidol and risperidone on gene expression profile in the rat cortex.
Neurochemistry International 47, 271-280, (2005).
IF: 2,994
182. Dimmock J, Das U, Gul HI, Kawase M, Sakagami H, Baráth Z, Ocsovszki I, Molnár J:
3-Arylidene-1-(4-nitrophenylmethylene)-3,4-dihydro-1*H*-naphtalen-2-ones and related compounds displaying selective toxicity and reversal of multidrug resistance in neoplastic cells. *Bioorganic & Medicinal Chemistry Letters* 15, 1633-1636, (2005).
IF: 2.478
183. Pintér O, Mucsi I, Molnár J:
In vitro antiproliferation in prostate cancer cell lines with cytostatics and combinations with resistance modifiers.
In Vivo 19:253-260, (2005).
IF: 1,037
184. Masami Kawase, Noboru Motohashi, Joseph Molnar and Hiroshi Sakagami:
Structure-cytotoxicity relationship of selected dietary phenols and the related compounds in tumor cells
Research Signpost 37/661 (2), Fort P.O., Trivandrum-695 023, Kerala, India (2005)
185. Miguel Viveiros, Marta Martins, Isabel Couto, Jette E. Kristiansen, Joseph Molnar and Leonard Amaral:
The *In Vitro* Activity of Phenothiazines Against *Mycobacterium Avium*: Potential of Thioridazine for Therapy of the Co-infected AIDS patient
In Vivo 19:733-736 (2005)
IF: 1,037
186. Maria-José U. Ferreira, Nora Gyemant, Ana Margarida Madureira, Masaru Tanaka, Kitti Koós, Remigijus Didiziapetris and Joseph Molnár:
The Effects of Jatrophane Derivatives on the Reversion of MDR-1 and MRP-mediated Multidrug Resistance in the MDA-MB-231 (HTB-26) Cell Line
Anticancer Res.: 25:4173-4178 (2005)
IF: 1,604
187. Rédei Dóra, Hasmah Abdullah, Azimathol Hawariah Lope Pihie, Forgó Péter, Molnár József és Hohmann Judit:
A *Hydnophytum formicarium* kivonatának és komponenseinek antiproliferatív hatása XI. Magyar Gyógynövény Konferencia okt.13-15. Dobogókő (2005)

188. Molnár J, Gyémánt N, Tanaka M, Hohmann J, Bergmann-Leitner E, Molnár P, Deli J, Didiziapetris R and Ferreira MJU:
Inhibition of multidrug resistance of cancer cells by natural diterpenes, triterpenes and carotenoids.
Current Pharm. Design, 12(3): 287-311, (2006.)
IF: 5,27
189. Engi H, Gyemant N, Lorand T, Levai A, Ocsosvzki I and Molnar J:
Cinnamylidene ketones as potential modulators of multidrug resistance in mouse lymphoma and human colon cancer cell line.
In vivo 20: 119-124, (2006.)
IF: 1,273
190. Duarte N, Gyemant N, Abreu PM, Molnar J, Ferreira MJ.
New macrocyclic lathyrane diterpenes, from *Euphorbia lagascae*, as inhibitors of multidrug resistance of tumour cells.
Planta Med. Feb;72(2):162-8. (2006.)
IF: 1,746
191. Gyemant N, Tanaka M, Molnar P, Deli J, Mandoky L, Molnar J.:
Reversal of multidrug resistance of cancer cells in vitro: modification of drug resistance by selected carotenoids.
Anticancer Res. Jan-Feb;26 (1A):367-74 (2006.)
IF: 1,479
192. Wesolowska O, Molnar J, Westman G, Samuelsson K, Kawase M, Ocsosvzki I, Motohashi N, Michalak K.:
Benzo[a]phenoxazines: a new group of potent P-glycoprotein inhibitors.
In Vivo. 2006 Jan-Feb;20(1):109-13 (2006.)
IF:1,273
193. Zalatnai A, Molnar J.:
Effect of SILA-409, a new organosilicon multidrug resistance modifier, on human pancreatic cancer xenografts. *In Vivo.* Jan-Feb;20(1):137-40. (2006.)
IF:1,273

194. Hilgeroth A, Molnar A, Molnar J, Voigt B.:
Correlation of calculated molecular orbital energies of some phenothiazine compounds with MDR reversal properties.
Eur J Med Chem. 2006 Apr;41(4):548-551
IF: 2,187
195. Richter M, Molnar J, Hilgeroth A.:
Biological evaluation of bishydroxymethyl-substituted cage dimeric 1,4-dihydropyridines as a novel class of p-glycoprotein modulating agents in cancer cells.
J Med Chem. 2006 May 4;49(9):2838-40. (2006.)
IF: 5,115
196. Schelz Z, Molnar J, Hohmann J.:
Antimicrobial and antiplasmid activities of essential oils.
Fitoterapia. 2006 May 9; pp 279-285(2006.)
IF: 0,908
197. Madureira AM, Gyemant N, Ascenso JR, Abreu PM, Molnar J, Ferreira MJ.:
Euphoportlandols A and B, Tetracyclic Diterpene Polyesters from *Euphorbia portlandica* and Their Anti-MDR Effects in Cancer Cells.
J Nat Prod. 2006 Jun 23;69(6):950-953 (2006.)
IF: 2,418
198. Wolfart K, Spengler G, Kawase M, Motohashi N, Molnar J, Viveiros M, Amaral L.:
Synergistic interaction between proton pump inhibitors and resistance modifiers: promoting effects of antibiotics and plasmid curing.
In Vivo. 2006 May-Jun;20(3):367-72 (2006.)
IF: 1,273
199. Kristiansen MM, Leandro C, Ordway D, Martins M, Viveiros M, Pacheco T, Molnar J, Kristiansen JE, Amaral L.:
Thioridazine reduces resistance of methicillin-resistant *Staphylococcus aureus* by inhibiting a reserpine-sensitive efflux pump.
In Vivo. (2006.) May-Jun;20(3):361-6.
IF: 1,273
200. Bisi A, Gobbi S, Rampa A, Belluti F, Piazzini L, Valenti P, Gyemant N, Molnar J.:
New potent P-glycoprotein inhibitors carrying a polycyclic scaffold.
J Med Chem. (2006) Jun 1;49(11):3049-51.
IF: 5,115
201. Molnar J.:
The reversal of drug resistance from bacteria to cancer cells.
Curr Drug Targets. (2006) Jul;7(7):789-91.
IF: 4,274

202. Spengler G, Molnar A, Schelz Z, Amaral L, Sharples D, Molnar J.:
The mechanism of plasmid curing in bacteria.
Curr Drug Targets. (2006) Jul;7(7):823-41.
IF: 4,274
203. Molnar J, Gyemant N, Tanaka M, Hohmann J, Bergmann-Leitner E, Molnar P, Deli J, Didiziapetris R, Ferreira MJ.:
Inhibition of multidrug resistance of cancer cells by natural diterpenes, triterpenes and carotenoids.
Curr Pharm Des. (2006);12(3):287-311. Review.
IF:5,27
204. Michalak K, Wesolowska O, Motohashi N, Molnar J, Hendrich AB.:
Abstract: Interactions of phenothiazines with lipid bilayer and their role in multidrug resistance reversal. *Curr Drug Targets*. (2006) Sep;7(9):1095-105.
IF: 4,274
205. Luo L, Molnar J, Ding H, Lv X, Spengler G.:
Ultrasound absorption and entropy production in biological tissue: a novel approach to anticancer therapy.
Diagn Pathol. Oct 6;1:35. 10.1186/1746-1596-1-35 (2006)
206. Duarte N, Varga A, Cherepnev G, Radics R, Molnar J, Ferreira MJ.:
Apoptosis induction and modulation of P-glycoprotein mediated multidrug resistance by new macrocyclic lathyrane-type diterpenoids.
Bioorg Med Chem. 2007 Jan 1;15(1):546-54.
IF: 2,662
207. Richter M, Gyemant N, Molnar J, Hilgeroth A.:
P-Glycoprotein Effects of Cyclic Urea HIV Protease Inhibitor DMP 323 in Competitional Absorption Studies.
Arch Pharm (Weinheim). (2006) Nov;339(11):625-8.
IF:1,076
208. Engi H, Sakagami H, Kawase M, Parecha A, Manvar D, Kothari H, Adlakha P, Shah A, Motohashi N, Ocsosvzki I, Molnar J.:
Tumour-specific cytotoxicity and MDR-reversal activity of dihydropyridines.
In Vivo. (2006) Sep-Oct;20(5):637-43.
IF:1,273
209. Barath Z, Radics R, Spengler G, Ocsosvzki I, Kawase M, Motohashi N, Shirataki Y, Shah A, Molnar J.:
Multidrug resistance reversal by 3-formylchromones in human colon cancer and human *mdr1* gene-transfected mouse lymphoma cells.
In Vivo. (2006) Sep-Oct;20(5):645-9.
IF:1,273

210. Schelz Z, Molnar J, Fogliano V, Ferracane R, Pernice R, Shirataki Y, Motohashi N.: Qualitative analysis of MDR-reversing Anastasia Black (Russian black sweet pepper, *Capsicum annuum*, Solanaceae) extracts and fractions by HPLC and LC-MS-MS methods. *In Vivo*. (2006) Sep-Oct;20(5):651-6.
IF:1,273
211. Martins M, Santos B, Martins A, Viveiros M, Couto I, Cruz A, Pages JM, Molnar J, Fanning S, Amaral L; Management Committee Members; of Cost B16; European Commission/European Science Foundation. An instrument-free method for the demonstration of efflux pump activity of bacteria. *In Vivo*. (2006) Sep-Oct;20(5):657-64.
IF:1,273
212. Ferreira MJ, Duarte N, Gyemant N, Radics R, Cherepnev G, Varga A, Molnar J.: Interaction between doxorubicin and the resistance modifier stilbene on multidrug resistant mouse lymphoma and human breast cancer cells. *Anticancer Res*. (2006) Sep-Oct;26(5A):3541-6.
IF:1,479
213. Luo L, Molnar J, Ding H, Lv X, Spengler G.: Physicochemical attack against solid tumors based on the reversal of direction of entropy flow: an attempt to introduce thermodynamics in anticancer therapy. *Diagn Pathol*. Nov 15; 1:43. 1186/1746-1596-1-43 (2006)
214. Wollmann J, Molnar J, Hilgeroth A.: Physicochemical characteristics of novel P-glycoprotein inhibitors of the cage dimeric 1,4-dihydropyridine type. *Med Chem*. (2006) Nov;2(6):565-8.
215. Kars MD, Iseri OD, Gunduz U, Ural AU: Development of rational in vitro models for drug resistance in breast cancer and modulation of MDR by selected compounds. *Anticancer Res*. (2006) Nov-Dec;26(6B):4559-68.
IF:1,479
216. Pusztai R, Ferreira MJ, Duarte N, Engi H, Molnar J.: Macrocyclic lathyrane diterpenes as antitumor promoters. *Anticancer Res*. (2007) Jan-Feb;27(1A):201-6.
IF: 1.604
217. Das U, Kawase M, Sakagami H, Ideo A, Shimada J, Molnar J, Barath Z, Bata Z, Dimmock JR.: 3-(3,4,5-Trimethoxyphenyl)-1-oxo-2-propene: A novel pharmacophore displaying potent multidrug resistance reversal and selective cytotoxicity. *Bioorg Med Chem*. (2007) Mar 13; 15, 3373-3380.
IF: 2.662

218. Amaral L, Engi H, Viveiros M, Molnar J.:
Comparison of multidrug resistant efflux pumps of cancer and bacterial cells with respect to the same inhibitory agents.
In Vivo. (2007) Mar-Apr;21(2):237-44.
IF:1,143
219. Zalatnai A, Molnar J.:
Molecular background of chemoresistance in pancreatic cancer.
In Vivo. (2007) Mar-Apr;21(2):339-47.
IF:1,143
220. Molnar J, Engi H, Mandi Y, Somlai C, Penke B, Szabo A, Orosz A.:
Effects of nontoxic heat shock protein 90 inhibitor peptide derivatives on reversal of MDR of tumor cells.
In Vivo. (2007) Mar-Apr;21(2):429-33.
IF:1,143
221. Fusi F, Ferrara A, Zalatnai A, Molnar J, Sgaragli G, Saponara S.:
Vascular activity of two silicon compounds, ALIS 409 and ALIS 421, novel multidrug-resistance reverting agents in cancer cells.
Cancer Chemother Pharmacol. 2008 Mar;61(3):443-51.
IF: 2.568
222. Molnar Joseph, Luo Liao-fu , Gyemant Nora, Mucsi Ilona, Vezendi Klara, Ocsovszki Imre, Szökefalvi-Nagy Elisabeth, Thornton Barry:
Cancer Growth is Superparasitism in Host: a Predator-Prey Relationship
Acta Scientiarum Naturalium Universitas NeiMongol Vol.38. No.1, pages 44-63, (2007) Jan.
223. Saponara S, Ferrara A, Gorelli B, Shah A, Kawase M, Motohashi N, Molnar J, Sgaragli G, Fusi F.:
3,5-dibenzoyl-4-(3-phenoxyphenyl)-1,4-dihydro-2,6-dimethylpyridine (DP7): a new multidrug resistance inhibitor devoid of effects on Langendorff-perfused rat heart.
Eur. J. Pharmacol. (2007) Jun 1; 563(1-3):160-3.
IF:2,376
224. Martins M, Schelz Z, Martins A, Molnar J, Hajos G, Riedl Z, Viveiros M, Yalcin I, Aki-Sener E, Amaral L.:
In vitro and ex vivo activity of thioridazine derivatives against *Mycobacterium tuberculosis*.
Int J Antimicrob Agents. Mar; 29(3):338-40. Epub (2007) Jan 18.
IF:2,338
225. Engi H., Vasas A., Rédei D., Molnár J., Hohmann J:
New MDR modulators and apoptosis inducers from *Euphorbia* species
Anticancer Res. (2007) Sep-Oct; 27 (5A): 3451-8
IF: 1.604

226. Martins M., Viveiros M., Kristiansen JE., Molnár J., Amaral L:
The curative activity of thioridazine on mice infected with *Mycobacterium tuberculosis*.
In Vivo. (2007) Sep-Oct; 21(5):771-5
IF: 1.143
227. Engi H., Hohmann J., Geng Gang, Pusztai R., Molnár J., Csuka O.:
Kínai gyógynövénykivonatok biológiai hatásai tumorsejtekben in vitro
Magyar Onkológia 51. évf., 4. sz. 312.o. (2007.)
228. Járdánházy A., Járdánházy T., Molnár J:
Electroencephalographiás és korrelációs dimenziós változások agydaganatos betegeknél
Magyar Onkológia 51. évf., 4. sz. 337.o. (2007.)
229. Molnár J., Engi H., Thorton BS., Luo L.:
Termodinamika, mint lehetőség a daganatok kezelésére
Magyar Onkológia 51. évf., 4. sz. 367.o. (2007.)
230. Szűcs M., Gaál D., Bak M. Jr., Doleschall Z., Molnár J., Pusztai R., Bak M., Kásler M.:
Multidrug-rezisztens lymphoma xenograft multidrug-rezisztenciájának (MDR1) in vivo
módosítása disiloxannal
Magyar Onkológia 51. évf., 4. sz. 404.o. (2007)
231. Duarte N., Járdánházy A., Ramalhete C., Molnár J., Ferreira MJU:
Synergistic effects between macrocyclic diterpenes and doxorubicine on resistant cancer
cells
Planta Med. Vol.73., Page: 797-1036, (2007)
IF: 1.848
232. Hohmann J., Engi H., Molnár J.:
Modulation of multidrug resistance of cancer cells by sesquiterpene esters from *Euonymus*
species
Planta Med. Vol.73., Page: 797-1036, (2007)
IF: 1.848
233. N. Duarte, A. Járdánházy, J. Molnar, A. Hilgeroth, M.J.U. Ferreira:
Synergistic interaction between p-glycoprotein modulators and epirubicin on resistant
cancer cells.
J. Bioorg. Med. Chem. 73, 797-804, (2007)
234. M.J.U. Ferreira, N. Duarte, H. Engi, J Molnar:
Macrocyclic Lathyrane Diterpenes as Anti-tumor Promoters
Anticancer Res., 27, 201-205, (2007.)
IF: 1.604
235. N. Duarte, A. Varga, G. Cherepnev, R. Radics, J. Molnár, M.J.U. Ferreira:
Apoptosis induction and modulation of P-glycoprotein mediated multidrug resistance by
new macrocyclic lathyrane-type diterpenoids
Bioorg. Med. Chem., 15, 546-554, (2007)
IF: 2,662

236. Gyula L. Farkas, László Józsa, László Paja and József Molnár:
Bone forming tumors on skeletons from a medieval hungarian cemetery (Bátmonostor)
Paleopathology Newsletter 140, december (2007),
237. Zs. Schelz, M. Martins, A. Martins, M. Viveiros, J. Molnár and L. Amaral:
Elimination of plasmids by Sila compounds that inhibit efflux pumps of bacteria and cancer cells
In Vivo 21: 635-640 (2007)
IF: 1.143
238. Veres K, Varga E, Schelz Z, Molnar J, Bernath J, Mathe I
Chemical composition and antimicrobial activities of essential oils of four lines of
Origanum vulgare subsp hirtum (Link) Letswaart grown in Hungary
NATURAL PRODUCT COMMUNICATIONS Volume: 2 Issue: 11 Pages:
1155-1158 Published: 2007
IF: 0,435
239. B. Voigt, C. Coburger, J. Molnár and A. Hilgeroth:
Structure-activity relationships of novel N-acyloxy-1,4-dihydropyridines as P-glycoprotein inhibitors
Bioorganic & Medicinal Chemistry 15: 5110-5113 (2007.)
IF: 2,662
240. G. Spengler:
Attempts to reduce drug resistance of bacteria and cancer cells.
Hungarian Medical Journal 1.:109-125 (2007)
241. Spengler Gabriella:
Ph.D. tézisek:
Kísérletek baktériumok és tumorsejtek gyógyszer-rezisztenciájának csökkentésére
Orvosi Hetilap 148/22. 1037-1040 (2007)
242. M. Viveiros, M. Martins, I. Couto, L. Rodrigues, G. Spengler, A. Martins, J.E. Kristiansen,
J. Molnar and L. Amaral:
New Methods for the Identification of Efflux Mediated MDR Bacteria, Genetic Assessment
of Regulators and Characterization of Efflux Systems and Screening for Inhibitors of Efflux
Pumps {ABSTRACT} ,
Current Drug Targets Vol.9.; Number 9, 760-778, 2008.
IF: 4,035
243. L. Amaral, M. Martins, M. Viveiros, J. Molnar and J.E. Kristiansen:
Promising Therapy of XDR-TB/MDR-TB with Thioridazine an Inhibitor of Bacterial-
Efflux Pumps {ABSTRACT} Pp. 816-819
Current Drug Targets Vol.9.; Number 9, 816-819, September 2008.
IF: 4,035
244. A. Ivanova, D. Batovska, H. Engi, S. Parushev, I. Ocsóvszki, I. Kostova and J. Molnár:
MDR-reversal Activity of Chalcones
In Vivo 22: 379-384 (2008)
IF: 0,99

245. Martins A, Vasas A., Schelz Zs, Martins M, Viveiros M, Molnar J, Hohmann J, Amaral L.: Purification and identification of active compounds of *Carpobrotus edulis* against the reversal of resistance of human *mdr1* gene transfected mouse lymphoma cells. (poster) 2008
246. Anamik Shah, Jitender Bariwal, Joseph Molnár, Masami Kawase, Noboru Motohashi: Advanced Dihydropyridines as Novel Multidrug Resistance Modifiers and Reversing Agents
Top Heterocycl Chem 15:201-252, 2008.
247. M. Martins, S.G. Dastidar, S. Fanning, J.E. Kristiansen, J. Molnár, J.-M. Pages, Zs. Schelz, G. Spengler, M. Viveiros, L. Amaral:
Potential role of non-antibiotics (helper compounds) in the treatment of multidrug-resistant Gram-negative infections: mechanisms for their direct and indirect activities
Int. J. of Antimicrobial Agents 31: 198-208, 2008.
IF: 2,338
248. M. Szűcs, M. Bak Jr., Z. Doleschall, O. Csuka, M. Kásler, M. Bak, J. Molnár, D. Gaál:
Reversal of Multidrug Resistance (MDR) on multidrug resistant lymphoma xenograft in vivo by disiloxan (poster),
19th International Congress of Anticancer treatment, Paris 2008, February 5-8, Abstract, p. 336 in the Abstract Book 2008.
249. SCHELZ zsuzsanna, VERES katalin, VARGA erzsébet, MOLNÁR joseph.
Reversal of multidrug resistance by essential oil components on human MDR1 gene transfected mouse lymphoma cells.
Po 270. pages 351, 19th International Congress of Anticancer treatment, Paris 2008, February 5-8, Abstract, p. 351 in the Abstract Book 2008.
250. Krizsán Áron, Füredi András, Véső Tamás, Zalatnai Attila, Molnár József, Valastyán Imre, Balkay László Molnár Joseph:
Effect of a new organosilicon multidrug resistance modifier on the metabolism of human pancreatic cancer xenografts: Positron Emission Tomography study.
Po 255, pages 342. , 19th International Congress of Anticancer treatment, Paris 2008, February 5-8, Abstract, p. 342 in the Abstract Book 2008
251. U. Das, J. Molnár, Z. Barath, Zs. Bata, J.R. Dimmock:
1-[4-(2-Aminoethoxy)phenylcarbonyl]-3,5-bis-(benzylidene)-4-oxopiperidines: A novel series of highly potent revertants of P-glycoprotein associated multidrug resistance
Bioorganic & Medicinal Chemistry Letters 18: 3484-3487, 2008.
IF: 2,604
252. Valente I, Schelz Z, Molnár J, Ferreira MJU:
Diterpenes from *Euphorbia mellifera* Ait – Search for multidrug resistance modulators in cancer cells (PB54 p:152) *Planta Med* 74:1-338, 2008 (Athens, Greece, August 3-8, 2008)

253. Engi H, Hohmann J, Gang G, Puzstai R, Rédei D, Kovács O, Schelz Z, Molnár J:
Chemoprevention and inhibition of P-glycoprotein in cancer cells by Chinese medicinal
herbs
Phytother Res. , 2008 Aug 8;22(12):1671-1676.
IF: 1,43
254. Zoltán Tigyi, L. Emódy, W. Gährs, J. Molnár and J. Makovitzky: Topo-optical
investigation of phenothiazine induced charge transfer reactions in various yeast cell walls
(poster), 38. Membrán Transzport Konferencia 2008 05 20-23, Sümeg
255. J. Molnár, H. Engi, N. Gyémánt, Z. Schelz, G. Spengler, I. Ocsovszki, M. Szűcs, J.
Hohmann, M. Szabó, L. Tanács, P. Molnár, J. Deli, L. Krenn, M. Kawase, H.
Wakabayashi, T. Kurihara, Y. Shirataki, H. Sakagami, N. Motohashi, R. Didiziapetris:
Multidrug Resistance Reversal on Cancer Cells by Selected Carotenoids, Flavonoids and
Anthocyanins
Top. Heterocycl Chem 15: 133-159 2008.
256. Teruo Kurihara, Kazumi Shinohara, Makoto Inabe, Hidetsugu Wakabayashi, Noboru
Motohashi, Hiroshi Sakagami, Joseph Molnar:
Theoretical studies on phenothiazines, benzo(a)phenothiazines and benz(c)acridines.
Top Heterocyclic Chemistry 2008, 15., 253-279, Springer Verlag Berlin Heidelberg.
Published online : 29 February 2008.
257. S. Das, U. Das, J. Balzarini, E. De Clercq, J. Molnár, M. Kawase, H. Nakashima, T.
Kanamoto, B. Brandy, D. K. J. Gorecki, J. R. Dimmock:
Analogues of 3,5 – bis (benzylidene) – 4 – piperidones: potent cytotoxins with multidrug
resistant revertant properties (abstract; WCMCW) Western Canadian Medicinal Chemistry
Workshop, Sakatoon, Canada, Sept. 5, 2008
258. L. Amaral, G. Spengler, M. Viveiros, L. Rodrigues, A. Martins, I. Couto, M. Martins,
S. Fanning, J. M. Pagés and J. Molnár:
Assessment and comparison of efflux pumps of cancer cells and MDR bacteria under
physiological conditions by a real-time semi-automated system
Anticancer Research Vol.28. N 5C, September-October 2008 p:3193
259. M. J. U. Ferreira, N. Duarte, A. Járdánházy, A-M Madureira, C. Ramallete, I. Ocsovszki and
J. Molnár:
Macrocyclic diterpenes as lead compounds for the development of p-glycoprotein
modulators in multidrug-resistant cancer cells
Anticancer Research Vol.28. N 5C, September-October 2008 p:3279
260. A. Füredi, A. Zalatnai and J. Molnár:
The first *in vivo* experiments with the combination of Taxol and Sila-421, a new promising
multidrug resistance inhibitor in human pancreas xenografts
Anticancer Research Vol.28. N 5C, September-October 2008 p:3286

261. A. Martins, A. Vasas, Zs. Schelz, M. Viveiros, J. Molnar, J. Hohmann, G. Spegler and L. Amaral:
Constitutes of *Carpobrotus edulis* inhibit p-glycoprotein of human mdrl gene transfected mouse lymphoma cells
Anticancer Research Vol.28. N 5C, September-October 2008 p:3397
262. J. Molnár, A. Zalatnai, B.S. Thornton, E. Thornton-Benko and L. Amaral:
Thermodynamic prosoects to intervene cancer progression
Anticancer Research Vol.28. N 5C, September-October 2008 p:34012
263. E. Sulyok, A. Vasas, P. Forgo, J. Molnar and J. Hohmann:
MDR inhibitory activity of new Jatrophane diterpenes from *Euphorbia esula* L.
Anticancer Research Vol.28. N 5C, September-October 2008 p:3412
264. G. Spengler, M. Viveiros, A. Martins, L. Rodrigues, M. Martins, J. Molnar, I. Couto and L. Amaral:
Demonstration of the activity of p-glycoprotein by a fully automated ethidium bromide method
Anticancer Research Vol.28. N 5C, September-October 2008 p:3493
265. M. Szabó, L. Tanács, I. Ocsovszki, P. Molnár and J. Molnár:
Chlorophyll b reverses multidrug resistance of cancer cells
Anticancer Research Vol.28. N 5C, September-October 2008 p:3504
266. Gy. Szalai, J. Molnár and P. Grandics:
Questions over head and neck malignancies and advances on biological tumorology (understanding, treatment and follow up)
Anticancer Research Vol.28. N 5C, September-October 2008 p:3504
267. Zs. Valkusz, M. Radács, A. Juhász, J. Jójárt, J. Gardi, J. Julesz, J. Molnár and M. Gálfi:
Antitumor events in endocrine tumors
Anticancer Research Vol.28. N 5C, September-October 2008 p:3524
268. Zs. Valkusz, M. Radács, Gy. Nagyéri, J. Gardi, J. Julesz, J. Juhász, J. Molnár and M. Gálfi:
The antiproliferative effects of extracellular bivalent cations on prolactinomas
Anticancer Research Vol.28. N 5C, September-October 2008 p:3524
269. A. Zalatnai and J. Molnár:
Combinations of Synthetic organosilicon compounds (Sila-409 and Sila-421) with cytostatic drugs in xenograft models of human pancreatic cancer
Anticancer Research Vol.28. N 5C, September-October 2008 p:3550
270. Borbála Réthy, J. Hohmann, R. Minarics, A. Varga, I. Ocsovszki, J. Molnar, K. Jihász, G. Falkay, I Zupko:
Antitumor properties of acridone alkaloid sin a murine lymphoma cell line,
Anticancer Res. 28, 2737-2744, 2008. november 21.
IF: 1.39

271. Neltem Demirel Kars, Ozlem Darcansoy Iseri, Ufuk Gunduz, J.Molnar:
Reversal of Multidrug resistance by synthetic and natural compounds in drug resistant MCF7 cell lines.
Experimental Chemotherapy 54/3, 194-200 (2008).
272. R.Pusztai, J.Hohmann, D.Rédei, H.Engi, J.Molnár:
Inhibition of human cytomegalovirus IE gene expression by dihydro-beta agarofuran sesquiterpenes isolated from Euonymus species.
In Vivo 22:787-792 (2008).
IF: 0,99
273. Helga Engi:
Perspectives in cancer chemotherapy in vitro and in vivo experiments,
Hungarian Medical Journal 2/2 279-291 (2008).
274. Molnár J. Mándi Y. Engi H. Schelz UZs. Mucsi I.:
Inhibition of drug resistance of bacteria and cancer cells,
Ehrlich II. Conference page 216, Nürnberg oct 3-5, 2008, (Abstract)
275. Sulyok E, Vasas A, Forgo P, Molnar J, Hohmann J :
New jatrophone diterpenoids from Euphorbia esula L
PLANTA MEDICA Volume: 74 Issue: 9 Pages: 1040-1041 Published: JUL 2008
276. Martins A , Vasas A, Schelz Z Martins M, Viveiros M, Molnar J, Hohmann J, Amoral L:
Purification and identification of active compounds of Carpobrotus edulis against the reversal of resistance of human mdrl gene transfected mouse lymphoma cells
PLANTA MEDICA Volume: 74 Issue: 9 Pages: 1004-1004 Published: JUL 2008
277. Valente I, Schelz Zs., Molnár J. Ferreira MJu,
Diterpenes from Euphorbia mellifera Ait – Search for multidrug resistance modulators in cancer cells.
7th Joint Meeting of GA, ASOP, PSI, SIF, Athens, Greece, aug 3-8, 2008, Abstract, published in Planta Medica vol 74/9, page 152 (2008).
278. Kars MD, Işeri OD, Gunduz U, Molnar J.
Reversal of Multidrug Resistance by Synthetic and Natural Compounds in Drug-Resistant MCF-7 Cell Lines.
Chemotherapy. 2008 Jun 18;54(3):194-200.
IF: 1,503
279. Coburger C, Wollmann J, Baumert C, Krug M, Molnár J, Lage H, Hilgeroth A.
Novel insight in structure-activity relationship and bioanalysis of P-glycoprotein targeting highly potent tetrakis-hydroxymethyl substituted 3,9-diazatetraasteranes.
J Med Chem. 2008 Sep 25;51(18):5871-4.
IF: 4,895

280. Duarte N, Járđánházy A, Molnár J, Hilgeroth A, Ferreira MJ.
Synergistic interaction between p-glycoprotein modulators and epirubicine on resistant cancer cells.
Bioorg Med Chem. 2008 Oct 15;16(20):9323-30. Epub 2008 Aug 31
IF: 2,66
281. Wesółowska O, Hendrich AB, Laniapietrzak B, Wiśniewski J, Molnar J, Ocsosvzki I, Michalak K.
Perturbation of the lipid phase of a membrane is not involved in the modulation of MRP1 transport activity by flavonoids.
Cell Mol Biol Lett. 2009;14(2):199-221.
IF: 1,676
282. Réthy B, Hohmann J, Minorics R, Varga A, Ocsosvzki I, Molnár J, Juhász K, Falkay G, Zupkó I.
Antitumour properties of acridone alkaloids on a murine lymphoma cell line.
Anticancer Res. 2008 Sep-Oct;28(5A):2737-43
IF: 1,39
283. Hasmah A, Judit Hohmann, Azimahtol Hawariah L P, Joseph Molnar and Peter Forgo
Antiproliferative compounds from *Hydnophytum formicarium*
J. Trop. Med. Plants. Vol. 9 No 2 (Dec. 2008): 366-371
284. Coburger C, Lage H, Molnár J, Hilgeroth A.
Impact of Novel MDR Modulators on Human Cancer Cells: Reversal Activities and Induction Studies.
Pharm Res. 2009 Jan;26(1):182-8.
IF: 3,441
285. Molnár J, Kars MD, Gündüz U, Engi H, Schumacher U, Van Damme EJ, Peumans WJ, Makovitzky J, Gyémánt N, Molnár P.
Interaction of tomato lectin with ABC transporter in cancer cells: Glycosylation confers functional conformation of P-gp.
Acta Histochem. 2009;111(4):329-33.
IF: 1,101
286. Martins M, Viveiros M, Ramos J, Couto I, Molnar J, Boeree M, Amaral L.
SILA 421, an inhibitor of efflux pumps of cancer cells, enhances the killing of intracellular extensively drug-resistant tuberculosis (XDR-TB).
Int J Antimicrob Agents. 2009 May;33(5):479-82.
IF: 3,067
287. Zupkó I, Réthy B, Hohmann J, Molnár J, Ocsosvzki I, Falkay G.
Antitumor activity of alkaloids derived from Amaryllidaceae species.
In Vivo. 2009 Jan-Feb;23(1):41-8.
IF: 0,990

288. Spengler G, Martins A, Schelz Z, Rodrigues L, Aagaard L, Martins M, Costa SS, Couto I, Viveiros M, Fanning S, Kristiansen JE, Molnar J, Amaral L.
Characterization of intrinsic efflux activity of *Enterococcus faecalis* ATCC29212 by a semi-automated ethidium bromide method.
In Vivo. 2009 Jan-Feb;23(1):81-7.
IF: 0,990
289. Das U, Pati HN, Panda AK, De Clercq E, Balzarini J, Molnár J, Baráth Z, Ocsosvzki I, Kawase M, Zhou L, Sakagami H, Dimmock JR.
2-(3-Aryl-2-propenoyl)-3-methylquinoxaline-1,4-dioxides: a novel cluster of tumor-specific cytotoxins which reverse multidrug resistance.
Bioorg Med Chem. 2009 Jun 1;17(11):3909-15.
IF: 3,075
290. Gyuris A, Szlávik L, Minárovits J, Vasas A, Molnár J, Hohmann J.
Antiviral Activities of Extracts of *Euphorbia hirta* L. against HIV-1, HIV-2 and SIVmac251.
In Vivo. 2009 May-Jun;23(3):429-32.
IF: 0,990
291. Mansoor TA, Ramalhete C, Molnár J, Mulhovo S, Ferreira MJ.
Tabernines A-C, beta-Carbolines from the Leaves of *Tabernaemontana elegans*.
J Nat Prod. 2009 Jun;72(6):1147-50.
IF: 2,843
292. Spengler G, Viveiros M, Martins M, Rodrigues L, Martins A, Molnar J, Couto I, Amaral L.
Demonstration of the Activity of P-glycoprotein by a Semi-automated Fluorometric Method.
Anticancer Res. 2009 Jun;29(6):2173-7.
IF: 1,39
293. Ivanova A, Serly J, Dinchev D, Ocsosvzki I, Kostova I, Molnar J.
Screening of Some Saponins and Phenolic Components of *Tribulus terrestris* and *Smilax excelsa* as MDR Modulators.
In Vivo. 2009 Jul-Aug;23(4):545-50.
IF: 0,990
294. Molnár P, Deli J, Tanaka T, Kann Y, Tani S, Gyémánt N, Molnár J, Kawase M.
Carotenoids with anti-*Helicobacter pylori* activity from Golden delicious apple.
Phytother Res. 2010 May;24(5):644-8
IF: 1,772
295. Martins A, Spengler G, Rodrigues L, Viveiros M, Ramos J, Martins M, Couto I, Fanning S, Pagès JM, Bolla JM, Molnar J, Amaral L.
pH Modulation of efflux pump activity of multi-drug resistant *Escherichia coli*: protection during its passage and eventual colonization of the colon.
PLoS One. 2009 Aug 17;4(8):e6656.

296. Ramalhete C, Molnár J, Mulhovo S, Rosário VE, Ferreira MJ.
New potent P-glycoprotein modulators with the cucurbitane scaffold and their synergistic interaction with doxorubicin on resistant cancer cells.
Bioorg Med Chem. 2009 Oct 1;17(19):6942-51.
IF: 3,075
297. Engi H, Gyémánt N, Ohkoshi M, Amaral L, Molnár J.
Modelling of tumour--host coexistence in vitro in the presence of serine protease inhibitors.
In Vivo. 2009 Sep-Oct;23(5):711-5.
IF: 0,990
298. Ramalhete C, Mansoor TA, Mulhovo S, Molnár J, Ferreira MJ.
Cucurbitane-type triterpenoids from the African plant *Momordica balsamina*.
J Nat Prod. 2009 Nov;72(11):2009-13.
IF: 2,843
299. Das S, Das U, Selvakumar P, Sharma RK, Balzarini J, De Clercq E, Molnár J, Serly J, Baráth Z, Schatte G, Bandy B, Gorecki DK, Dimmock JR.
3,5-Bis(benzylidene)-4-oxo-1-phosphonopiperidines and related diethyl esters: Potent cytotoxins with multi-drug-resistance reverting properties.
ChemMedChem. 2009 Nov;4(11):1831-40
IF: 3,150
300. Spengler G, Ramalhete C, Martins M, Martins A, Serly J, Viveiros M, Molnár J, Duarte N, Mulhovo S, Ferreira MJ, Amaral L.
Evaluation of cucurbitane-type triterpenoids from *Momordica balsamina* on P-glycoprotein (ABCB1) by flow cytometry and real-time fluorometry.
Anticancer Res. 2009 Oct;29(10):3989-93.
IF: 1,39
301. Wesolowska O, Molnar J, Ocsovszki I, Michalak K.
Differential Effect of Phenothiazines on MRP1 and P-Glycoprotein Activity.
In Vivo. 2009 Nov-Dec;23(6):943-7.
IF: 0,990
302. Duarte N, Ramalhete C, Varga A, Molnár J, Ferreira MJ.
Multidrug resistance modulation and apoptosis induction of cancer cells by terpenic compounds isolated from *euphorbia* species.
Anticancer Res. 2009 Nov;29(11):4467-72.
IF: 1,39

303. Amaral L, Molnar J.
Therapy Of XDR TB with Thioridazine A Drug Beyond Patent Protection But Eligible for Patent "As New Use"
Recent Pat Antiinfect Drug Discov. 2010 Jun 1;5(2):109-14
304. Krug M, Voigt B, Baumert C, Lüpken R, Molnár J, Hilgeroth A.
First biological evaluation of developed 3-benzyloxyfluorenes as novel class of MDR modulators.
Eur J Med Chem. 2010 Jun;45(6):2683-8
IF: 2,882
305. Puzsai R, Abrantes M, Sherly J, Duarte N, Molnar J, Ferreira MJ.
Antitumor-promoting Activity of Lignans: Inhibition of Human Cytomegalovirus IE Gene Expression.
Anticancer Res. 2010 Feb;30(2):451-4.
IF: 1,428
306. Martins A, Vasas A, Schelz Z, Viveiros M, Molnár J, Hohmann J, Amaral L.
Constituents of *Carpobrotus edulis* inhibit P-glycoprotein of MDR1-transfected mouse lymphoma cells.
Anticancer Res. 2010 Mar;30(3):829-35.
IF: 1,428
307. Szabó MA, Varga GZ, Hohmann J, Schelz Z, Szegedi E, Amaral L, Molnár J.
Inhibition of quorum-sensing signals by essential oils.
Phytother Res. 2010 May;24(5):782-6.
IF: 1,746
308. Abdullah H, Pihie AH, Hohmann J, Molnár J.
A natural compound from *Hydnophytum formicarium* induces apoptosis of MCF-7 cells via up-regulation of Bax.
Cancer Cell Int. 2010 May 4;10:14.
(unofficial IF: 2,03)
309. Christov V, Mikhova B, Ivanova A, Serly J, Molnar J, Selenge D, Solongo A, Kostova N, Gerelt-Od Y, Dimitrov D.
Steroidal alkaloids of *Veratrum lobelianum* Bernh. and *Veratrum nigrum* L.
Z Naturforsch C. 2010 Mar-Apr;65(3-4):195-200.
IF: 0,800
310. Ramalhete C, Lopes D, Mulhovo S, Molnár J, Rosário VE, Ferreira MJ.
New antimalarials with a triterpenic scaffold from *Momordica balsamina*.
Bioorg Med Chem. 2010 Jul 15;18(14):5254-60.
IF: 2,822

311. Gyémánt N, Engi H, Schelz Z, Szatmári I, Tóth D, Fülöp F, Molnár J, de Witte PA.
In vitro and in vivo multidrug resistance reversal activity by a Betti-base derivative of tylosin.
Br J Cancer. 2010 Jul 13;103(2):178-85.
IF: 4,346
312. Coburger C, Wollmann J, Krug M, Baumert C, Seifert M, Molnár J, Lage H, Hilgeroth A.
Novel structure-activity relationships and selectivity profiling of cage dimeric 1,4-dihydropyridines as multidrug resistance (MDR) modulators.
Bioorg Med Chem. 2010 Jul 15;18(14):4983-90.
IF: 2,822
313. Molnár J, Engi H, Hohmann J, Molnár P, Deli J, Wesolowska O, Michalak K, Wang Q.
Reversal of Multidrug Resistance by Natural Substances from Plants.
Curr Top Med Chem. 2010 Jul 21. 2010;10(17):1757-68.
IF: 4,473
314. Amaral L, Martins A, Molnar J, Kristiansen JE, Martins M, Viveiros M, Rodrigues L, Spengler G, Couto I, Ramos J, Dastidar S, Fanning S, McCusker M, Pages JM.
Phenothiazines, Bacterial Efflux Pumps and Targeting the Macrophage for Enhanced Killing of Intracellular XDR TB.
In Vivo. 2010 Jul-Aug;24(4):409-24.
IF: 1,171
315. Wang J, Wang H, Zhao L, Fan S, Yang Z, Gao F, Chen L, Xiao GG, Molnár J, Wang Q.
Down-regulation of P-glycoprotein is associated with resistance to cisplatin and VP-16 in human lung cancer cell lines.
Anticancer Res. 2010 Sep;30(9):3593-8.
IF: 1,428
316. Cindric M, Cipak A, Serly J, Plotniece A, Jaganjac M, Mrakovcic L, Lovakovic T, Dedic A, Soldo I, Duburs G, Zarkovic N, Molnár J.
Reversal of multidrug resistance in murine lymphoma cells by amphiphilic dihydropyridine antioxidant derivative.
Anticancer Res. 2010 Oct;30(10):4063-9.
IF: 1,428
317. Coburger C, Lage H, Molnár J, Langner A, Hilgeroth A.
Multidrug resistance reversal properties and cytotoxic evaluation of representatives of a novel class of HIV-1 protease inhibitors.
J Pharm Pharmacol. 2010 Dec;62(12):1704-10. doi: 10.1111/j.2042-7158.2010.01144.x.
IF: 1,742

- 318.Zsuzsanna Schelz, Judit Hohmann, and Joseph Molnar:
Recent advances in research of antimicrobial effect of essential oils and plant derived compounds on bacteria.
In: *Ethnomedicine: A Source of Complementary Therapeutics*, Chapter 6 p. 179-202.
- 319.Spengler G, Evaristo M, Handzlik J, Serly J, Molnár J, Viveiros M, Kiéc-Kononowicz K, Amaral L.
Biological activity of hydantoin derivatives on P-glycoprotein (ABCB1) of mouse lymphoma cells.
Anticancer Res. 2010 Dec;30(12):4867-71.
IF:1,428
- 320.Ramalhete C, Lopes D, Molnár J, Mulhovo S, Rosário VE, Ferreira MJ.
Karavilagenin C derivatives as antimalarials.
Bioorg Med Chem. 2011, 19 (1) , pp. 330-338
IF: 2,822
- 321.Ivanova A, Serly J, Christov V, Stamboliyska B, Molnar J.
Alkaloids derived from genus *Veratrum* and *Peganum* of Mongolian origin as multidrug resistance inhibitors of cancer cells.
Fitoterapia. 2011 Jun;82(4):570-5.
IF:1,363
- 322.Parekh S, Bhavsar D, Savant M, Thakrar S, Bavishi A, Parmar M, Vala H, Radadiya A, Pandya N, Serly J, Molnár J, Shah A.
Synthesis of some novel benzofuran-2-yl(4,5-dihydro-3,5-substituted diphenylpyrazol-1-yl) methanones and studies on the antiproliferative effects and reversal of multidrug resistance of human MDR1-gene transfected mouse lymphoma cells in vitro.
Eur J Med Chem. 2011 May;46(5):1942-8.
IF: 3,269
- 323.Martins A, Vasas A, Viveiros M, Molnár J, Hohmann J, Amaral L.Antibacterial properties of compounds isolated from *Carpobrotus edulis*.
Int J Antimicrob Agents. 2011 May;37(5):438-44.
IF: 3,032
- 324.Maráz A, Furák J, Pálföldi R, Eller J, Szántó E, Kahán Z, Thurzó L, Molnár J, Tiszlavicz L, Hideghéty K.
Roles of BCL-2 and MDR1 Expression in the Efficacy of Paclitaxel-based Lung Cancer Chemoradiation.
Anticancer Res. 2011 Apr;31(4):1431-6.
IF:1,428
- 325.Pascu ML, Nastasa V, Smarandache A, Militaru A, Martins A, Viveiros M, Boni M, Andrei IR, Pascu A, Staicu A, Molnar J, Fanning S, Amaral L.
Inhibition of Drug Efflux in Mycobacteria with Phenothiazines and Other Putative Efflux Inhibitors.
Recent Pat Antiinfect Drug Discov. 2011 May;6(2):118-27.

326. Joseph Molnar, Zoltan G. Varga.
The Second Law of Thermodynamics and Host-tumor Relationships:
Concepts and Opportunities
Chapter 7, p. 203-226
In: Application of Thermodynamics to Biological and Materials Science
Ed. Tadashi Mizutani
Published by InTech 2011
327. Z.G. Varga, M.Á. Szabó, Z. Schelz, E. Szegedi, L. Amaral and J. Molnár
Quorum Sensing Inhibition by Phenothiazines and Related Compounds
Letters in Drug Design & Discovery Pp. 133-137
IF:0,805
328. J. Serly, I. Vincze, C. Somlai, L. Hodoniczki and J. Molnár
Synthesis and Comparison of the Antitumor Activities of Steroids on *ABCBI*-
transfected Mouse Lymphoma and Human Ovary Carcinoma
Letters in Drug Design & Discovery Pp. 138-147
IF:0,805
329. J. Wang, Z. He, L. Zhang, E. Li, Q. Meng, L. Zou, J. Molnár and Q. Wang
Expression of P-gp, MRP, LRP, GST- π and TopoII α and Acquired Resistance to
Cisplatin in Human Lung Adenocarcinoma Cells
Letters in Drug Design & Discovery Pp. 148-153
IF:0,805
330. Maria-José U. Ferreira, Noélia Duarte, Krystyna Michalak, Andras Varga, Joseph Molnár.
Picetatanol, an Antitumor Compound from *Euphorbia lagascae* Seeds
In: V. R. Preedy, R. R. Watson, V. B. Patel (Editors): Nuts and Seeds in Health and Disease
Prevention (1st ed.)
Chapter 54, p. 453-460
2011, Elsevier Inc.
331. Vasas A, Sulyok E, Rédei D, Forgo P, Szabó P, Zupkó I, Berényi Á, Molnár J, Hohmann J.
Jantrophane diterpenes from *Euphorbia esula* as antiproliferative agents and potent
chemosensitizers to overcome multidrug resistance.
J Natl Prod. 2011 Jun 24;74(6): 1453-61.
IF: 2,872
333. Takács D, Cerca P, Martins A, Riedl Z, Hajós G, Molnár J, Viveiros M, Couto I, Amaral L.
Evaluation of forty new phenothiazine derivatives for activity against intrinsic efflux pump
systems of reference *Escherichia coli*, *Salmonella Enteritidis*, *Enterococcus faecalis* and
Staphylococcus aureus strains.
In Vivo 2011 Sep-Oct;25(5):719-24
IF: 1,159

334. Machado L, Spengler G, Evaristo M, Handzlik J, Molnár J, Viveiros M, Kiec-Kononowicz K, Amaral L.
Biological activity of twenty-three hydantoin derivatives on intrinsic efflux pump system of *Salmonella enterica* serovar Enteritidis NCTC 13349.
In Vivo 2011. Sep-Oct;25(5): 769-72
IF: 1,159
335. Gabriella Spengler, Jadwiga Handzlik, Imre Ocsovszki, Miguel Viveiros, Katarzyna Kiec-Kononowicz, Joseph Molnar and Leonard Amaral
Modulation of Multidrug Efflux Pump Activity by New Hydantoin Derivatives on Colon Adenocarcinoma Cells without Inducing Apoptosis
Anticancer Research 31: 3285-3288 (2011)
IF: 1,656
336. Encheng Li, Jinhui Zhang, Jiarui Wang, Fei Gao, Zhonghai Yang, Qiang Meng, Qianqian Zhang, Na Li, Ming Huang, Gabriella Spengler, Joseph Molnar and Qi Wang
Prevention of VP-16 Resistance by a Disiloxane, SILA409: Effects of SILA409 on the Expression of GRP78 in NCI-H446 Human Small Cell Lung Cancer Cells
Letters in Drug Design & Discovery, 2011 October 8(8):691-697
IF: 0,805
337. M.J.U. Ferreira, N. Duarte, H. Lage and J. Molnar
Reversal of Multidrug Resistance by Macrocyclic and Polycyclic Diterpenoids from *Euphorbia* species
RPMP Vol.32 –Ethnomedicine and Therapeutic Validation 193-213 (2011)
338. Leonard Amaral, Miguel Viveiros, Joseph Molnar and Jette E. Kristiansen
Effective Therapy with the Neuroleptic Thioridazine as an Adjunct to Second Line of Defence Drugs, and the Potential that Thioridazine Offers for New Patents that Cover a Variety of „New Uses”
Recent Patents on Anti-Infective Drug Discovery, May 2011 6 (2) , pp. 84-87
339. Michail-Lucian Pascu, Viorel Natasa, Adriana Smarandache, Andra Militaru, Ana Martins, Miguel Viveiros, Mihai Boni, Ionut R. Andrei, Alexandru Pascu, Angela Staicu, Joseph Molnar, Seamus Fanning and Leonard Amaral
Direct Modification of Bioactive Phenothiazines by Exposure to Laser Radiation
Recent Patents on Anti-Infective Drug Discovery, May 2011 6 (2) , pp. 147-157

340. Krawczyk, S. , Otto, M., Otto, A. , Coburger, C. , Krug, M. , Seifert, M. , Tell, V. **Molnár, J.**^b , Higeroth, A.^a Discovery of pyridine-2-ones as novel class of multidrug resistance (MDR) modulators: First structure-activity relationships
Bioorganic and Medicinal Chemistry
Volume 19, Issue 21, 1 November 2011, Pages 6309-6315
IF: 2,978
341. Zhang, L.-C. , Wang, J.-R., Zhao, L., Wang, T. , Wu, J. , Fan, S.-F., Chen, L.-X. Shao, S.-J. , **Molnár, J.**, Wang, Q.
GRP78 upregulation-induced increase in cisplatin sensitivity of SPCA1 lung cancer cells
Chinese Medical Journal
Volume 124, Issue 20, November 2011, Pages 3341-3346
IF: 0,983
342. Vasas, A.^a , Sulyok, E.^a , Martins, A.^a , Rédei, D.^a , Forgo, P.^a , Kele, Z.^b , Zupkó, I.^c , **Molnár, J.**^d , Pinke, G.^{c e} , Hohmann, J.
Cyclomyrsinane and premyrsinane diterpenes from *Euphorbia falcata* modulate resistance of cancer cells to doxorubicin
Tetrahedron
Volume 68, Issue 4, 28 January 2012, Pages 1280-1285
IF: 3,011
343. Bariwal, J.J., Malhotra, M., Molnar, J., Jain, K.S., Shah, A.K., Bariwal, J.B.
Synthesis, characterization and anticancer activity of 3-aza-analogues of DP-7
Medicinal Chemistry Research 2011, DOI: 10.1007/s00044-011-9925-5
IF: 1,058
344. Spengler, G., Rodrigues, L., Martins, A., Martins, M. , McCusker, M. , Cerca, P., MacHado, L., Costa, S.S., Ntokou, E. , Couto, I.^{a f} , Viveiros, M., Fanning, S., Molnar, J., Amaral, L.
Genetic response of *Salmonella enterica* serotype Enteritidis to thioridazine rendering the organism resistant to the agent
International Journal of Antimicrobial Agents
Volume 39, Issue 1, January 2012, Pages 16-21
IF: 3,787
345. Toth M, Boros IM, Balint E.
Elevated level of lysine 9-acetylated histone H3 at the MDR1 promoter in multidrug-resistant cells.
Cancer Sci. 2012 Apr;103(4):659-69. doi: 10.1111/j.1349-7006.2012.02215.x.
Epub 2012 Mar 19.
IF: 3,846

346. Das S, Das U, Sakagami H, Umemura N, Iwamoto S, Matsuta T, Kawase M, Molnár J, Serly J, Gorecki DK, Dimmock JR.
Dimeric 3,5-bis(benzylidene)-4-piperidones: A novel cluster of tumour-selective cytotoxins possessing multidrug-resistant properties.
Eur J Med Chem. 2012 May;51:193-9.
IF: 3,193
347. Horváth G, Molnár P, Radó-Turcsi E, Deli J, Kawase M, Satoh K, Tanaka T, Tani S, Sakagami H, Gyémánt N, Molnár J.
Carotenoid composition and in vitro pharmacological activity of rose hips.
Acta Biochim Pol. 2012 ;59(1):129-32.
IF: 1,234
348. Mariana Reis, Ricardo Ferreira, Julianna Serly, Noélia Duarte, Ana M. Madureira, Daniel J. V. A. Santos, Joséph Molnár and Maria-José U. Ferreira
Colon Adenocarcinoma Multidrug Resistance Reverted by Euphorbia Diterpenes: Structure-Activity Relationships and Pharmacophore Modeling
Anti-Cancer Agents in Medicinal Chemistry, Volume 12, 10 Issues, 2012
IF: 3,144
349. M. J. U. Ferreira, N. Duarte, H. Lage, and J. Molnar
Reversal of Multidrug Resistance by Macrocyclic and Polycyclic Diterpenoids from *Euphorbia* species
Ethnomedicine and Therapeutic Validation, Volume 32, 185-204, 2012
350. L. Jeyaseeli, A. Dasgupta, S.G. Dastidar, J. Molnar, L. Amaral
Evidence of significant synergism between antibiotics and the antipsychotic, antimicrobial drug flupenthixol
Eur J Clin Microbiol Infect Dis 2012 Jun;31(6):1243-50.
DOI 10.1007/s10096-011-1435-3
IF: 2,631
- 351.