

Lucyna Antkiewicz-Michaluk

List of Publications by Year in descending order

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99
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2,005
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218381

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315357

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104
times ranked

1667
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#	ARTICLE	IF	CITATIONS
1	Different action on dopamine catabolic pathways of two endogenous 1,2,3,4-tetrahydroisoquinolines with similar antidopaminergic properties. <i>Journal of Neurochemistry</i> , 2001, 78, 100-108.	2.1	79
2	Chronic administration of antidepressant drugs increases the density of cortical [3H]prazosin binding sites in the rat. <i>Brain Research</i> , 1984, 310, 360-362.	1.1	74
3	Antidepressant-like Effect of Tetrahydroisoquinoline Amines in the Animal Model of Depressive Disorder Induced by Repeated Administration of a Low Dose of Reserpine: Behavioral and Neurochemical Studies in the Rat. <i>Neurotoxicity Research</i> , 2014, 26, 85-98.	1.3	70
4	Effects of various Ca ²⁺ channel antagonists on morphine analgesia, tolerance and dependence, and on blood pressure in the rat. <i>European Journal of Pharmacology</i> , 1998, 352, 189-197.	1.7	68
5	The mechanism of neuroprotective action of natural compounds. <i>Pharmacological Reports</i> , 2017, 69, 851-860.	1.5	68
6	Reduction of morphine dependence and potentiation of analgesia by chronic co-administration of nifedipine. <i>Psychopharmacology</i> , 1993, 111, 457-464.	1.5	55
7	Behavioural and biochemical studies of citalopram and WAY 100635 in rat chronic mild stress model. <i>Pharmacology Biochemistry and Behavior</i> , 2002, 72, 465-474.	1.3	50
8	Protective effect of 1-methyl-1,2,3,4-tetrahydroisoquinoline against dopaminergic neurodegeneration in the extrapyramidal structures produced by intracerebral injection of rotenone. <i>International Journal of Neuropsychopharmacology</i> , 2004, 7, 155-163.	1.0	50
9	The mechanism of 1,2,3,4-tetrahydroisoquinolines neuroprotection: the importance of free radicals scavenging properties and inhibition of glutamate-induced excitotoxicity. <i>Journal of Neurochemistry</i> , 2006, 97, 846-856.	2.1	50
10	5-Hydroxytryptamine-like properties of m-chlorophenylpiperazine: comparison with quipazine. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 32, 220-222.	1.2	46
11	Role of calcium channels in effects of antidepressant drugs on responsiveness to pain. <i>Psychopharmacology</i> , 1991, 105, 269-274.	1.5	45
12	A possible physiological role for cerebral tetrahydroisoquinolines. <i>Neurotoxicity Research</i> , 2003, 5, 147-155.	1.3	41
13	1-Methyl-1,2,3,4-tetrahydroisoquinoline protects against rotenone-induced mortality and biochemical changes in rat brain. <i>European Journal of Pharmacology</i> , 2003, 466, 263-269.	1.7	41
14	Synthesis, antiarrhythmic, and antihypertensive effects of novel 1-substituted pyrrolidin-2-one and pyrrolidine derivatives with adrenolytic activity. <i>European Journal of Medicinal Chemistry</i> , 2002, 37, 183-195.	2.6	39
15	Isobolographic analysis of interactions between 1-methyl-1,2,3,4-tetrahydroisoquinoline and four conventional antiepileptic drugs in the mouse maximal electroshock-induced seizure model. <i>European Journal of Pharmacology</i> , 2009, 602, 298-305.	1.7	39
16	1-Methyl-1,2,3,4-Tetrahydroisoquinoline, an Endogenous Amine with Unexpected Mechanism of Action: New Vistas of Therapeutic Application. <i>Neurotoxicity Research</i> , 2014, 25, 1-12.	1.3	37
17	Cortical dihydropyridine binding sites and a behavioral syndrome in morphine-abstinent rats. <i>European Journal of Pharmacology</i> , 1990, 180, 129-135.	1.7	36
18	Antidepressant-like effect of the selective 5-HT _{1B} receptor agonist CP 94253: A possible mechanism of action. <i>European Journal of Pharmacology</i> , 2005, 516, 46-50.	1.7	36

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19	Increase in salsolinol level in the cerebrospinal fluid of parkinsonian patients is related to dementia: advantage of a new high-performance liquid chromatography methodology. <i>Biological Psychiatry</i> , 1997, 42, 514-518.	0.7	35
20	Inhibition of rodent brain monoamine oxidase and tyrosine hydroxylase by endogenous compounds - 1,2,3,4-tetrahydro-isoquinoline alkaloids. <i>Polish Journal of Pharmacology</i> , 2004, 56, 727-34.	0.3	35
21	Anticonvulsant activity of some xanthone derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 7234-7244.	1.4	34
22	Different effects of intranigral and intrastriatal administration of the proteasome inhibitor lactacystin on typical neurochemical and histological markers of Parkinson's disease in rats. <i>Neurochemistry International</i> , 2011, 58, 839-849.	1.9	34
23	Dopamine receptors in the striatum and limbic system of various strains of mice: Relation to differences in responses to apomorphine. <i>Pharmacology Biochemistry and Behavior</i> , 1982, 17, 1115-1118.	1.3	33
24	Increase in rat cortical [3H]naloxone binding site density after chronic administration of antidepressant agents. <i>European Journal of Pharmacology</i> , 1984, 102, 179-181.	1.7	32
25	1-Methyl-1,2,3,4-tetrahydroisoquinoline Antagonizes a Rise in Brain Dopamine Metabolism, Glutamate Release in Frontal Cortex and Locomotor Hyperactivity Produced by MK-801 but not the Disruptions of Prepulse Inhibition, and Impairment of Working Memory in Rat. <i>Neurotoxicity Research</i> , 2009, 16, 390-407.	1.3	32
26	The Effect of Chronic Mild Stress and Imipramine on the Markers of Oxidative Stress and Antioxidant System in Rat Liver. <i>Neurotoxicity Research</i> , 2016, 30, 173-184.	1.3	30
27	Chronic impairment of the vagus nerve function leads to inhibition of dopamine but not serotonin neurons in rat brain structures. <i>Pharmacological Reports</i> , 2012, 64, 1359-1367.	1.5	29
28	Synthesis and pharmacological activity of new carbonyl derivatives of 1-aryl-2-iminoimidazolidine. <i>European Journal of Medicinal Chemistry</i> , 2002, 37, 845-853.	2.6	27
29	Synthesis and pharmacological activity of new carbonyl derivatives of 1-aryl-2-iminoimidazolidine. <i>European Journal of Medicinal Chemistry</i> , 2002, 37, 761-772.	2.6	27
30	3-Methoxytyramine, an extraneuronal dopamine metabolite plays a physiological role in the brain as an inhibitory regulator of catecholaminergic activity. <i>European Journal of Pharmacology</i> , 2008, 599, 32-35.	1.7	25
31	Comparison of the effects of 1MeTIQ and olanzapine on performance in the elevated plus maze test and monoamine metabolism in the brain after ketamine treatment. <i>Pharmacology Biochemistry and Behavior</i> , 2019, 181, 17-27.	1.3	24
32	Synthesis and pharmacological activity of new carbonyl derivatives of 1-aryl-2-iminoimidazolidine Part 1. Synthesis and pharmacological activity of chain derivatives of 1-aryl-2-iminoimidazolidine containing urea moiety. <i>European Journal of Medicinal Chemistry</i> , 2001, 36, 783-797.	2.6	23
33	1-Benzyl-1,2,3,4-Tetrahydroisoquinoline, an Endogenous Parkinsonism-Inducing Toxin, Strongly Potentiates MAO-Dependent Dopamine Oxidation and Impairs Dopamine Release: Ex vivo and In vivo Neurochemical Studies. <i>Neurotoxicity Research</i> , 2009, 15, 15-23.	1.3	22
34	Antidepressant-like activity of the endogenous amine, 1-methyl-1,2,3,4-tetrahydroisoquinoline in the behavioral despair test in the rat, and its neurochemical correlates: A comparison with the classical antidepressant, imipramine. <i>European Journal of Pharmacology</i> , 2013, 700, 110-117.	1.7	21
35	Effect of repetitive electroconvulsive treatment on sensitivity to pain and on [3H]nitrendipine binding sites in cortical and hippocampal membranes. <i>Psychopharmacology</i> , 1990, 101, 240-243.	1.5	20
36	Endogenous risk factors in Parkinson's disease: dopamine and tetrahydroisoquinolines. <i>Polish Journal of Pharmacology</i> , 2002, 54, 567-72.	0.3	20

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37	Purification of a novel DBI processing product, DBI39â€“75, and characterization of its binding site in rat brain. <i>Regulatory Peptides</i> , 1994, 50, 29-35.	1.9	19
38	The Ca ²⁺ Channel Blockade Changes the Behavioral and Biochemical Effects of Immobilization Stress. <i>Neuropsychopharmacology</i> , 1999, 20, 248-254.	2.8	19
39	Salsolinol, an Endogenous Compound Triggers a Two-Phase Opposing Action in the Central Nervous System. <i>Neurotoxicity Research</i> , 2015, 27, 300-313.	1.3	19
40	1-Methyl-1,2,3,4-tetrahydroisoquinoline enhances the anticonvulsant action of carbamazepine and valproate in the mouse maximal electroshock seizure model. <i>Neuropharmacology</i> , 2006, 50, 133-142.	2.0	18
41	Anticonvulsant evaluation of aminoalkanol derivatives of 2- and 4-methylxanthone. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 1190-1198.	1.4	17
42	Resilient Phenotype in Chronic Mild Stress Paradigm Is Associated with Altered Expression Levels of miR-18a-5p and Serotonin 5-HT _{1a} Receptor in Dorsal Part of the Hippocampus. <i>Molecular Neurobiology</i> , 2019, 56, 7680-7693.	1.9	17
43	Search for New Antiarrhythmic and Hypotensive Compounds. Synthesis, Antiarrhythmic, Antihypertensive, and Î±-Adrenoceptor Blocking Activity of Novel 1-[(2-Hydroxy-3-amino)]-propylpyrrolidin-2-one Derivatives. <i>Archiv Der Pharmazie</i> , 1997, 330, 225-231.	2.1	16
44	1-Methyl-1,2,3,4-tetrahydroisoquinoline, an Endogenous Neuroprotectant and MAO Inhibitor with Antidepressant-Like Properties in the Rat. <i>Neurotoxicity Research</i> , 2014, 25, 323-334.	1.3	16
45	Study of a mechanism responsible for potential antidepressant activity of EMD 386088, a 5-HT ₆ partial agonist in rats. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2016, 389, 839-849.	1.4	16
46	Acute treatment with doxorubicin induced neurochemical impairment of the function of dopamine system in rat brain structures. <i>Pharmacological Reports</i> , 2016, 68, 627-630.	1.5	16
47	Nicotine produces antidepressant-like actions: Behavioral and neurochemical evidence. <i>European Journal of Pharmacology</i> , 2005, 515, 128-133.	1.7	15
48	1,2,3,4-Tetrahydroisoquinoline produces an antidepressant-like effect in the forced swim test and chronic mild stress model of depression in the rat: Neurochemical correlates. <i>European Journal of Pharmacology</i> , 2014, 729, 107-115.	1.7	15
49	Modification of effects of chronic electroconvulsive shock by voltage-dependent Ca ²⁺ channel blockade with nifedipine. <i>European Journal of Pharmacology</i> , 1994, 254, 9-16.	1.7	14
50	1-Methyl-1,2,3,4-tetrahydroisoquinoline and established uncompetitive NMDA receptor antagonists induce tolerance to excitotoxicity. <i>Pharmacological Reports</i> , 2010, 62, 1041-1050.	1.5	14
51	Important role of 3-methoxytyramine in the inhibition of cocaine sensitization by 1-methyl-1,2,3,4-tetrahydroisoquinoline: an in vivo microdialysis study. <i>Pharmacological Reports</i> , 2010, 62, 983-997.	1.5	14
52	Differences between haloperidol- and pimozide-induced withdrawal syndrome: a role for Ca ²⁺ channels. <i>European Journal of Pharmacology</i> , 1995, 294, 459-467.	1.7	13
53	Ca ²⁺ channel blockade prevents lysergic acid diethylamide-induced changes in dopamine and serotonin metabolism. <i>European Journal of Pharmacology</i> , 1997, 332, 9-14.	1.7	13
54	Effect of 1,2,3,4-tetrahydroisoquinoline administration under conditions of CYP2D inhibition on dopamine metabolism, level of tyrosine hydroxylase protein and the binding of [³ H]GBR 12,935 to dopamine transporter in the rat nigrostriatal, dopaminergic system. <i>Brain Research</i> , 2004, 1009, 67-81.	1.1	13

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55	Concentration-Dependent Opposite Effects of 1-Benzyl-1,2,3,4-tetrahydroisoquinoline on Markers of Apoptosis: In Vitro and Ex Vivo Studies. <i>Neurotoxicity Research</i> , 2014, 25, 90-99.	1.3	13
56	Antidepressant-Like Effect of the Endogenous Neuroprotective Amine, 1MeTIQ in Clonidine-Induced Depression: Behavioral and Neurochemical Studies in Rats. <i>Neurotoxicity Research</i> , 2017, 32, 94-106.	1.3	13
57	The significance of rotational behavior and sensitivity of striatal dopamine receptors in hemiparkinsonian rats: A comparative study of lactacystin and 6-OHDA. <i>Neuroscience</i> , 2017, 340, 308-318.	1.1	13
58	Interactions of 1-methyl-1,2,3,4-tetrahydroisoquinoline with lamotrigine, oxcarbazepine, pregabalin, and topiramate in the mouse maximal electroshock-induced seizure model: A type I isobolographic analysis. <i>Epilepsy Research</i> , 2010, 89, 207-219.	0.8	12
59	Antidepressant-like effect of 1,2,3,4-tetrahydroisoquinoline and its methyl derivative in animal models of depression. <i>Pharmacological Reports</i> , 2017, 69, 566-574.	1.5	12
60	Multiple Administration of Endogenous Amines TIQ and 1MeTIQ Protects Against a 6-OHDA-Induced Essential Fall of Dopamine Release in the Rat Striatum: In Vivo Microdialysis Study. <i>Neurotoxicity Research</i> , 2018, 33, 523-531.	1.3	12
61	1MeTIQ Provides Protection Against A β -Induced Reduction of Surface Expression of Synaptic Proteins and Inhibits H ₂ O ₂ -Induced Oxidative Stress in Primary Hippocampal Neurons. <i>Neurotoxicity Research</i> , 2014, 25, 348-357.	1.3	11
62	The impact of 1MeTIQ on the dopaminergic system function in the 6-OHDA model of Parkinson's disease. <i>Pharmacological Reports</i> , 2016, 68, 1205-1213.	1.5	11
63	Neuroprotective Effect of the Endogenous Amine 1MeTIQ in an Animal Model of Parkinson's Disease. <i>Neurotoxicity Research</i> , 2016, 29, 351-363.	1.3	11
64	Regulation of somatostatin receptor 2 in the context of antidepressant treatment response in chronic mild stress in rat. <i>Psychopharmacology</i> , 2018, 235, 2137-2149.	1.5	11
65	Pro-cognitive effect of 1MeTIQ on recognition memory in the ketamine model of schizophrenia in rats: the behavioural and neurochemical effects. <i>Psychopharmacology</i> , 2020, 237, 1577-1593.	1.5	11
66	Different effects of chronic administration of haloperidol and pimozide on dopamine metabolism in the rat brain. <i>European Journal of Pharmacology</i> , 1996, 313, 181-186.	1.7	10
67	Effects of the noradrenergic neurotoxin DSP-4 on the expression of α 1-adrenoceptor subtypes after antidepressant treatment. <i>Pharmacological Reports</i> , 2011, 63, 1349-1358.	1.5	10
68	Changes in Monoaminergic Neurotransmission in an Animal Model of Osteoarthritis: The Role of Endocannabinoid Signaling. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 466.	1.4	10
69	Synthesis, Physicochemical Properties, Anticonvulsant Activities, and GABA-ergic and Voltage-sensitive Calcium Channel Receptor Affinities of α -Substituted N-Benzylamides of β -Hydroxybutyric Acid Part 4: Search for New Anticonvulsant Compounds. <i>Archiv Der Pharmazie</i> , 1999, 332, 167-174.	2.1	9
70	Withdrawal from repeated administration of a low dose of reserpine induced opposing adaptive changes in the noradrenaline and serotonin system function: A behavioral and neurochemical ex vivo and in vivo studies in the rat. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2015, 57, 146-154.	2.5	9
71	Comparative behavioral and neurochemical studies of R- and S-1-methyl-1,2,3,4-tetrahydroisoquinoline stereoisomers in the rat. <i>Pharmacological Reports</i> , 2012, 64, 857-869.	1.5	8
72	Repeated Transcranial Direct Current Stimulation Induces Behavioral, Metabolic and Neurochemical Effects in Rats on High-Calorie Diet. <i>Frontiers in Behavioral Neuroscience</i> , 2017, 11, 262.	1.0	8

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73	The effect of chronic imipramine and electroconvulsive shock treatment on [3H]DADLE binding to cortical membranes of rats pretreated with chronic reserpine or 6-hydroxydopamine. <i>Pharmacology Biochemistry and Behavior</i> , 1987, 26, 203-206.	1.3	7
74	Differential involvement of voltage-dependent calcium channels in apomorphine-induced hypermotility and stereotypy. <i>Psychopharmacology</i> , 1994, 113, 555-560.	1.5	7
75	Both Stereoselective (R)- and (S)-1-Methyl-1,2,3,4-tetrahydroisoquinoline Enantiomers Protect Striatal Terminals Against Rotenone-Induced Suppression of Dopamine Release. <i>Neurotoxicity Research</i> , 2011, 20, 134-149.	1.3	7
76	1-Benzyl-1,2,3,4-tetrahydroisoquinoline, an Endogenous Neurotoxic Compound, Disturbs the Behavioral and Biochemical Effects of L-DOPA: In Vivo and Ex Vivo Studies in the Rat. <i>Neurotoxicity Research</i> , 2014, 26, 240-254.	1.3	7
77	The adenosinergic system is involved in sensitization to morphine withdrawal signs in rats – neurochemical and molecular basis in dopaminergic system. <i>Psychopharmacology</i> , 2016, 233, 2383-2397.	1.5	7
78	Comparison of the Effects of Acute and Chronic Administration of Tetrahydroisoquinoline Amines on the In Vivo Dopamine Release: A Microdialysis Study in the Rat Striatum. <i>Neurotoxicity Research</i> , 2016, 30, 648-657.	1.3	7
79	Combined brain Fe, Cu, Zn and neurometabolite analysis – a new methodology for unraveling the efficacy of transcranial direct current stimulation (tDCS) in appetite control. <i>Metallomics</i> , 2018, 10, 397-405.	1.0	6
80	Novel antagonists of 5-HT ₆ and/or 5-HT ₇ receptors affect the brain monoamines metabolism and enhance the anti-immobility activity of different antidepressants in rats. <i>Behavioural Brain Research</i> , 2019, 359, 9-16.	1.2	6
81	Plasticity of extrapyramidal dopamine system in Parkinson's disease - A postmortem study. <i>Neuroscience Research Communications</i> , 1999, 25, 97-109.	0.2	5
82	Role of noradrenergic system in the mechanism of action of endogenous neurotoxin 1,2,3,4-tetrahydroisoquinoline: biochemical and functional studies. <i>Polish Journal of Pharmacology</i> , 2002, 54, 19-25.	0.3	5
83	Conditioned rewarding stimulus associated with cocaine self-administration reverses the depression of catecholamine brain systems following cocaine withdrawal in rats. <i>International Journal of Neuropsychopharmacology</i> , 2006, 9, 37.	1.0	4
84	1MeTIQ and olanzapine, despite their neurochemical impact, did not ameliorate performance in fear conditioning and social interaction tests in an MK-801 rat model of schizophrenia. <i>Pharmacological Reports</i> , 2021, 73, 490-505.	1.5	4
85	Serotonin, dopamine, noradrenaline and their metabolites: Levels in the brain of the house cricket (<i>Acheta domestica</i> L.) during a 24-hour period and after administration of quipazine – a 5-HT ₂ receptor agonist. <i>Comparative Biochemistry and Physiology Part C: Comparative Pharmacology</i> , 1991, 100, 365-371.	0.2	3
86	Differences in effects of Ca ²⁺ channel antagonists on dopamine metabolism in the limbic and extrapyramidal dopaminergic structures. <i>Psychopharmacology</i> , 1996, 128, 39-44.	1.5	3
87	Effect of 1-methyl-1,2,3,4-tetrahydroisoquinoline on the protective action of various antiepileptic drugs in the maximal electroshock-induced seizure model: a type II isobolographic analysis. <i>Journal of Neural Transmission</i> , 2013, 120, 1651-1663.	1.4	3
88	Chronic Salsolinol Administration Prevents the Behavioral and Neurochemical Effects of L-DOPA in Rats. <i>Neurotoxicity Research</i> , 2015, 27, 399-410.	1.3	3
89	The Protective Effect of Repeated 1MeTIQ Administration on the Lactacystin-Induced Impairment of Dopamine Release and Decline in TH Level in the Rat Brain. <i>Neurotoxicity Research</i> , 2018, 34, 706-716.	1.3	3
90	1-Methyl-1,2,3,4-tetrahydroisoquinoline – The toxicological research on an exo/endogenous amine with antidepressant-like activity – In vivo, in vitro and in silico studies. <i>Pharmacological Reports</i> , 2019, 71, 1140-1146.	1.5	3

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91	Effects of Chronically Administered Antidepressants and Electroconvulsive Treatment on Cerebral Neurotransmitter Receptors in Rodents with "Model Depression"™. Novartis Foundation Symposium, 1986, 123, 234-245.	1.2	3
92	1-Methyl-1,2,3,4-Tetrahydroisoquinoline: A Potent Neuroprotecting Agent. , 2012, , 45-56.		2
93	Synthesis and Pharmacological Activity of New Carbonyl Derivatives of 1-Aryl-2-iminoimidazolidine. Part 3. Synthesis and Pharmacological Activity of 1-Aryl-5,6(1H)dioxo-2,3-dihydroimidazo[1,2-a]imidazoles.. ChemInform, 2003, 34, no.	0.1	1
94	Synthesis and Pharmacological Activity of New Carbonyl Derivatives of 1-Aryl-2-iminoimidazolidine. Part 2. Synthesis and Pharmacological Activity of 1,6-Diaryl-5,7(1H)dioxo-2,3-dihydroimidazo[1,2-a][1,3,5]triazines.. ChemInform, 2003, 34, no.	0.1	1
95	Isoquinolines as Neurotoxins: Action and Molecular Mechanism. , 2012, , 31-43.		1
96	Psychiatric Disorders in Animal Models of Depression. , 2021, , 1-13.		0
97	Antidopaminergic Effects of Putative Endogenous MPTP-Like Agents: 1,2,3,4-Tetrahydroisoquinoline and 1-Methyl-6,7-Dihydroxy-1,2,3,4-Tetrahydroisoquinoline. , 2000, , 105-110.		0
98	1-Methyl-1,2,3,4-Tetrahydroisoquinoline and Addiction: Experimental Studies. , 2012, , 57-74.		0
99	Nicotine potentiates imipramine-induced effects on catecholamine metabolism: possible relation to antidepressant activity. Pharmacological Reports, 2006, 58, 836-45.	1.5	0