

**STRUCTURE-ACTIVITY RELATIONS FOR PRESYNAPTIC  
CHOLINERGIC TRANSMISSION BY ADENOSINE: EVIDENCE**

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Citation Report

#	ARTICLE	IF	CITATIONS
1	EVIDENCE FOR AN A <sub>2</sub> /R <sub>a</sub> ADENOSINE RECEPTOR IN THE GUINEA PIG TRACHEA. British Journal of Pharmacology, 1982, 76, 381-387.	2.7	91
2	Cell-membrane receptors for purines. Bioscience Reports, 1982, 2, 77-90.	1.1	17
3	Release of norepinephrine and dopamine from brain vesicular preparations: Effects of adenosine analogues. Cellular and Molecular Neurobiology, 1982, 2, 193-204.	1.7	42
4	Novel form of drug-dependence on adenosine in guinea pig ileum. Nature, 1983, 302, 618-621.	13.7	31
5	Physiological basis of opiate dependence. Drug and Alcohol Dependence, 1983, 11, 15-21.	1.6	7
6	Adenosine A1 receptor mediated inhibition of nerve stimulation-induced contractions of the rabbit portal vein. European Journal of Pharmacology, 1983, 93, 277-282.	1.7	33
7	Adenosine relaxes the aorta by interacting with an A2 receptor and an intracellular site. European Journal of Pharmacology, 1983, 96, 61-69.	1.7	118
8	Evidence for an A <sub>x</sub> -adenosine receptor in the guinea-pig atrium. British Journal of Pharmacology, 1983, 78, 207-212.	2.7	120
9	Adenosine inhibits and potentiates IgE-dependent histamine release from human basophils by an A <sub>2</sub> receptor mediated mechanism. British Journal of Pharmacology, 1983, 80, 719-726.	2.7	98
11	Purine receptors in the rat anococcygeus muscle.. Journal of Physiology, 1983, 335, 591-608.	1.3	28
12	The clonidine-induced self-injurious behavior of mice involves purinergic mechanisms. Pharmacology Biochemistry and Behavior, 1984, 20, 943-946.	1.3	27
13	Involvement of adenosine receptor activities in aggressive responses produced by clonidine in mice. Psychopharmacology, 1984, 83, 335-339.	1.5	31
14	Electrophysiological responses to adenosine analogs in rat hippocampus and cerebellum: Evidence for mediation by adenosine receptors of the A1 subtype. Life Sciences, 1984, 34, 37-47.	2.0	47
15	Evidence that the P <sub>1</sub> purinoceptor in the guinea pig taenia coli is an A <sub>2</sub> subtype. British Journal of Pharmacology, 1984, 81, 533-541.	2.7	40
16	Evidence for an inhibitory prejunctional P1-purinoceptor in the rat portal vein with characteristics of the A2 rather than of the A1 subtype. European Journal of Pharmacology, 1984, 100, 363-368.	1.7	28
17	Purine receptors classification: a point for discussion. Trends in Pharmacological Sciences, 1984, 5, 492-493.	4.0	27
18	The presynaptic regulation of noradrenaline release differs in mesenteric arteries of the rabbit and guinea pig.. Journal of Physiology, 1984, 351, 379-396.	1.3	30
19	CHOLINERGIC NEUROMODULATION BY ATP, ADENOSINE AND ITS N6-SUBSTITUTED ANALOGUES IN GUINEA-PIG ILEUM. Clinical and Experimental Pharmacology and Physiology, 1985, 12, 73-78.	0.9	4

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20	AN INVESTIGATION OF THE RECEPTORS INVOLVED IN THE CORONARY VASODILATORY EFFECT OF ADENOSINE ANALOGUES. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1985, 12, 515-519.	0.9	18
21	Characterization of pre- and post-junctional adenosine receptors in guinea-pig ileum. <i>Acta Physiologica Scandinavica</i> , 1985, 123, 195-203.	2.3	45
22	PACPX - a substituted xanthine - antagonist of both the A <sub>1</sub> and A <sub>2</sub> subclasses of the P <sub>1</sub> -purinoceptor: antagonism of the A <sub>2</sub> subclass is competitive but antagonism of the A <sub>1</sub> subclass is not. <i>British Journal of Pharmacology</i> , 1985, 85, 291-296.	2.7	19
23	Hypothermia-induced supersensitivity to adenosine for responses mediated via A <sub>1</sub> receptors but not A <sub>2</sub> receptors. <i>British Journal of Pharmacology</i> , 1985, 84, 407-415.	2.7	27
24	A possible explanation for a greater discrepant suppression by adenosine and N6-cyclohexyl adenosine of the guinea-pig ileal contraction. <i>General Pharmacology</i> , 1985, 16, 281-284.	0.7	5
25	Development of stress-induced gastric lesions involves central adenosine A <sub>1</sub> -receptor stimulation. <i>Brain Research</i> , 1985, 339, 351-355.	1.1	22
26	Cyclohexyladenosine binding in rat striatum. <i>Brain Research</i> , 1985, 334, 385-388.	1.1	11
27	Antagonism by clonidine of the adenosine-induced inhibition of the twitch contraction of the guinea-pig oddi sphincter. <i>European Journal of Pharmacology</i> , 1985, 108, 151-156.	1.7	6
28	Accumulations of inositol phosphates and cyclic AMP in brain slices: Synergistic interactions of histamine and 2-chloroadenosine. <i>European Journal of Pharmacology</i> , 1986, 122, 45-50.	1.7	57
29	Apparent enhancement of cholinergic transmission in rabbit bronchi via adenosine A <sub>2</sub> receptors. <i>European Journal of Pharmacology</i> , 1986, 120, 179-185.	1.7	44
30	Adenosine modulation of adrenergic neurotransmission in the human fallopian tube. <i>European Journal of Pharmacology</i> , 1986, 123, 11-18.	1.7	17
31	Adenosine modulation of cholinergic and non-adrenergic non-cholinergic neurotransmission in the rabbit iris sphincter. <i>British Journal of Pharmacology</i> , 1986, 88, 197-204.	2.7	33
32	Classification of adenosine receptors mediating antinociception in the rat spinal cord. <i>British Journal of Pharmacology</i> , 1986, 88, 923-930.	2.7	144
33	Negative Chronotropic Action of Adenosine in Rat Atria: Evidence for Action at A <sub>1</sub> Receptors. <i>Nucleosides &amp; Nucleotides</i> , 1986, 5, 493-501.	0.5	7
34	Neuromodulation by adenine nucleotides, as indicated by experiments with inhibitors of nucleotide inactivation. <i>Acta Physiologica Scandinavica</i> , 1986, 126, 217-223.	2.3	26
35	Nature of the N6 region of the adenosine receptor in guinea-pig ileum and rat vas deferens. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1986, 333, 313-322.	1.4	13
36	The role of adenosinergic, GABAergic and benzodiazepine systems in hyperemotionality and ulcer formation in stressed rats. <i>Psychopharmacology</i> , 1986, 89, 472-476.	1.5	17
37	Autonomic control of ventricular tachycardia. III. Effects of adenosine and N6-R-1-phenyl-2-propyladenosine. <i>Journal of the American College of Cardiology</i> , 1987, 10, 399-405.	1.2	4

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38	An <i>in vitro</i> analysis of purine-mediated renal vasoconstriction in rat isolated kidney. British Journal of Pharmacology, 1987, 90, 373-381.	2.7	30
39	Potency of N6-modified N-alkyl adenosine-5'-uronamides at presynaptic adenosine receptors in guinea-pig ileum. Naunyn-Schmiedeberg's Archives of Pharmacology, 1987, 335, 301-4.	1.4	5
40	Morphine tolerance and nonspecific subsensitivity of the longitudinal muscle myenteric plexus preparation of the guinea-pig to inhibitory agonists. Naunyn-Schmiedeberg's Archives of Pharmacology, 1988, 338, 553-559.	1.4	18
41	A study of the actions of P <sub>1</sub> -purinoceptor agonists and antagonists in the mouse vas deferens <i>in vitro</i> . British Journal of Pharmacology, 1988, 94, 37-46.	2.7	21
42	Presynaptic P <sub>1</sub> -purinoceptors in jejunal branches of the rabbit mesenteric artery and their possible function.. Journal of Physiology, 1988, 397, 13-29.	1.3	20
43	Two phases of contractile response in rat isolated vas deferens and their regulation by adenosine and $\hat{1}\pm$ -receptors. European Journal of Pharmacology, 1989, 167, 323-331.	1.7	18
44	Adenosine enhancement of adrenergic neuroeffector transmission in guinea-pig pulmonary artery. British Journal of Pharmacology, 1989, 96, 425-433.	2.7	29
45	Inhibitory effects of AH 21-132 in guinea-pig isolated ileum and taenia caeci. British Journal of Pharmacology, 1989, 97, 1174-1181.	2.7	13
47	Presynaptic modulation of efferent sympathetic and vagal neurotransmission in the canine heart by hypoxia, high K <sup>+</sup> , low pH, and adenosine. Possible relevance to ischemia-induced denervation.. Circulation Research, 1990, 66, 289-301.	2.0	68
48	Adenosine Receptors.. Annals of the New York Academy of Sciences, 1990, 603, 211-225.	1.8	96
49	Comparative effects of a selective adenosine A <sub>2</sub> receptor agonist, CGS 21680, and nitroprusside in vascular smooth muscle. European Journal of Pharmacology, 1991, 196, 117-123.	1.7	40
50	Adenosine receptors involved in the inhibitory control of non-adrenergic non-cholinergic neurotransmission in guinea-pig atria belong to the A <sub>1</sub> subtype. Naunyn-Schmiedeberg's Archives of Pharmacology, 1991, 344, 464-70.	1.4	8
51	Effect of Presynaptic P <sub>2</sub> Receptor Stimulation on Transmitter Release. Journal of Neurochemistry, 1991, 56, 1466-1470.	2.1	77
52	Potency of N6secondary and tertiary alkyladenosine analogues at presynaptic A <sub>1</sub> adenosine receptors in guinea-pig ileum. Autonomic and Autacoid Pharmacology, 1991, 11, 85-91.	0.7	2
53	Studies with Guanosine-5'-Monophosphate (GMP): New Method for Measurement and Effects on Blood Pressure. Clinical and Experimental Hypertension, 1992, 14, 629-652.	0.3	2
54	Contractile effect of $\hat{1}\pm, \hat{1}^2$ -methylene ATP on the guinea-pig isolated trachea. Fundamental and Clinical Pharmacology, 1992, 6, 135-144.	1.0	5
55	Suppression of nicotinic synaptic transmission by adenosine in myenteric ganglia of the guinea-pig gastric antrum. European Journal of Pharmacology, 1992, 216, 17-22.	1.7	23
56	Evidence that the inhibition of ATP release from sympathetic nerves by adenosine is a physiological mechanism. General Pharmacology, 1992, 23, 1045-1050.	0.7	21

#	ARTICLE	IF	CITATIONS
57	Effects of lithium and purinergic compounds on the behavioral and physiological aspects of restraint stress in rats. <i>Pharmacology Biochemistry and Behavior</i> , 1992, 42, 431-435.	1.3	4
58	Characterization and ontogeny of P1-purinoceptors on rat vas deferens. <i>British Journal of Pharmacology</i> , 1993, 108, 754-758.	2.7	28
59	Characterization of the adenosine receptor mediating contraction in rat colonic muscularis mucosae. <i>British Journal of Pharmacology</i> , 1993, 110, 1255-1259.	2.7	9
60	POSTER COMMUNICATIONS. <i>British Journal of Pharmacology</i> , 1993, 108, 124P.	2.7	1
61	Prejunctional autoinhibition of purinergic transmission in circular muscle of guinea-pig ileum; a mechanism distinct from P1-purinoceptor activation. <i>Journal of the Autonomic Nervous System</i> , 1994, 48, 55-63.	1.9	11
62	Evidence for the presence of two types of P2 purinoceptor in the guinea-pig ileal longitudinal smooth muscle preparation. <i>European Journal of Pharmacology</i> , 1994, 261, 273-280.	1.7	29
63	Effects of the Adenosine A1-Receptor Antagonist on Defecation, Small Intestinal Propulsion and Gastric Emptying in Rats. <i>The Japanese Journal of Pharmacology</i> , 1995, 68, 119-123.	1.2	17
64	Effects of noradrenaline, the calcium ionophore A23187, forskolin, sodium nitroprusside and glibenclamide on the degradation of extracellular adenosine 5'-triphosphate by the rat isolated vas deferens. <i>Autonomic and Autacoid Pharmacology</i> , 1999, 19, 167-171.	0.7	2
65	ATP as a Cotransmitter in Sympathetic Nerves and Its Inactivation by Releasable Enzymes. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002, 303, 439-444.	1.3	82
66	Adenosine Postsynaptically Modulates Supraoptic Neuronal Excitability. <i>Journal of Neurophysiology</i> , 2005, 93, 535-547.	0.9	34
67	Physiology and Pathophysiology of Purinergic Neurotransmission. <i>Physiological Reviews</i> , 2007, 87, 659-797.	13.1	1,396
68	Characterization of the Prejunctional Adenosine Receptors in the Rat Anococcygeus Muscle. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 46, 906-910.	1.2	1
69	New Concepts in Antihypertensive Drug Therapy. <i>Developments in Cardiovascular Medicine</i> , 1990, , 3-12.	0.1	1
70	The Role of Adenosine in Central Neuromodulation. , 1983, , 419-437.		14
71	Binding of Radioactive Ligands to Adenosine Receptors in the Central Nervous System. , 1983, , 97-113.		5
72	The Classification of Receptors for Adenosine and Adenine Nucleotides. , 1985, , 193-212.		41
73	The Pharmacologic Estimation of Potencies of Agonists and Antagonists in the Classification of Adenosine Receptors. , 1985, , 213-237.		8
74	Classification of Adenosine Receptors in the Central Nervous System. , 1985, , 305-316.		3

#	ARTICLE	IF	CITATIONS
75	Presynaptic Adenosine and P2Y Receptors. Handbook of Experimental Pharmacology, 2008, , 339-372.	0.9	20
76	Purine Receptors and their Pharmacological Roles. Advances in Drug Research, 1989, 18, 291-429.	0.8	27
77	The Altered Signaling on EFS-Induced Colon Contractility in Diabetic Rats. Biomolecules and Therapeutics, 2020, 28, 328-336.	1.1	5
78	Classification of Adenosine Receptors in Peripheral Tissues. , 1985, , 317-327.		1
79	Purine Metabolism by Guinea-Pig Ileum. Advances in Experimental Medicine and Biology, 1986, 195 Pt B, 19-28.	0.8	0
80	Adenosine receptors: Clinical implications and biochemical mechanisms. , 1988, 32, 195-247.		51