

Reference list

last update: 2017-03-01

* Includes relevant publications on AT2 receptor platform, C21 original publications and reviews		
* C21 publications marked in pink		
AT2 receptor and reviews:		
Carey RM	Update on angiotensin AT2 receptors	Curr Opin Nephrol Hypertens. 2017 Mar;26(2):91-96. doi: 10.1097/MNH.0000000000000304
Chow and Allen et al	Angiotensin II type 2 receptor (AT2R) in renal and cardiovascular disease	Clin Sci (Lond). 2016 Aug 1;130(15):1307-26. doi: 10.1042/CS20160243
Chang KH, et al	Vasculopathy-associated hyperangiotensinemia mobilizes haematopoietic stem cells/progenitors through endothelial AT2R and cytoskeletal dysregulation.	Nat Commun. 2015 Jan 9;6:5914. doi: 10.1038/ncomms6914. PMID: 25574809
Zhao Y et al	Activation of intracellular angiotensin AT2 receptors induces rapid cell death in human uterine leiomyosarcoma cells.	Clin Sci (Lond). 2015 May;128(9):567-78. doi: 10.1042/CS20140627. PMID: 25487516
Guimond MO et al	Saralasin and Sarile Are AT2 Receptor Agonists.	ACS Med Chem Lett. 2014 Aug 18;5(10):1129-32. doi: 10.1021/ml500278g. eCollection 2014 Oct 9. PMID: 25313325 [PubMed]
Leblanc S, et al	Angiotensin II type 2 receptor stimulation improves fatty acid ovarian uptake and hyperandrogenemia in an obese rat model of polycystic ovary syndrome.	Endocrinology. 2014 Sep;155(9):3684-93. doi: 10.1210/en.2014-1185. Epub 2014 Jun 27. PMID: 24971613 [PubMed - indexed for MEDLINE]
Balia C, et al	Compound 21, a selective angiotensin II type 2 receptor agonist, downregulates lipopolysaccharide-stimulated tissue factor expression in human peripheral blood mononuclear cells.	Blood Coagul Fibrinolysis. 2014 Jul;25(5):501-6. doi: 10.1097/MBC.0000000000000092. PMID: 24914880 [PubMed - in process]
Guimond MO et al	Expression and Role of the Angiotensin II AT2 Receptor in Human Prostate Tissue: In Search of a New Therapeutic Option for Prostate Cancer	Prostate 2013, DOI:10.1002/pros.22653
Leonhardt et al	Evidence for functional interaction between the AT2-receptor and the receptor mas	Jrnl of Hypertension Vol 31e-Supplement A, June 2013. Abstract 7D.01, page e107
Mogi et al	Roles of Brain Angiotensin II in Cognitive Function and Dementia	Hypertension, Vol 2012; 7 pages doi: 10.1155/2012/169649
Anand et al	Mechanisms underlying clinical efficacy of Angiotensin II type 2 receptor (AT2R) antagonist EMA401 in neuropathic pain: clinical tissue and in vitro studies	Mol Pain. 2015 Jun 26;11:38. doi:10.1186/s12990-015-0038-x
Steckelings et al	AT2 receptor agonists: hypertension and beyond.	Curr Opin Nephrol Hypert, 2012; 21: 142-146
Murugaish et al	From the first selective non-peptide AT(2) receptor agonist to structurally related antagonists	J Med Chem, 2012; 55: 2265-2278
Steckelings et al	Angiotensin II type 2 receptor agonists--where should they be applied?	Expert Opin Emerg Drugs, 2012; 21: 763-766
Bosnyak et al	Relative affinity of angiotensin peptides and novel ligands at AT1 and AT2 receptors	Clin Sci, 2011; 121: 297-303
Mogi et al	New antihypertensive drugs including angiotensin II type 2 receptor agonist - ARTICLE IN JAPANESE	NNKZ, 2011; 100: 432-440
Steckelings et al	Non-peptide AT2-receptor agonists	Cur Opinion Pharma, 2011; 11: 187-192
Funke-Kaiser et al	Adapter proteins and promoter regulation of the angiotensin AT2 receptor - implications for cardiac pathophysiology	JRAAS, 2010; 11; 7-17
Tamargo et al	Novel therapeutic targets for the treatment of heart failure	NRDD, 2010;10: 536-555 (544 has AT2 info)
Unger T and Dahlöf B	Compound 21, the first orally active, selective agonist of the angiotensin type 2 receptor (AT2): implications for AT2 receptor research and therapeutic potential	JRAAS, 2010; 11: 75-77
Åberg et al	Synthesis and evaluation of a 11C-labelled angiotensin II AT2 receptor	JLCR, 2010;53; 616-624
Siragy HM	Angiotensin II subtype 2 receptor: potential therapy	J Clin Hypertens, 2009;11: 26-29
Steckelings et al	The past, present and future of angiotensin II type 2 receptor stimulation	JRAAS, 2009;11: 67-73
Altarche-Xifro et al	Cardiac c-kit+AT2+ cell population is increased in response to ischemic injury and supports cardiomyocyte performance	Stem Cells, 2009;27: 2488-2497
Coleman CG et al	Angiotensin II type 2 (AT2) receptors have a major somatodendritic distribution in vasopressin-containing neurons in the mouse hypothalamic paraventricular nucleus	Neuroscience, 2009 Sept 29; 129-142
Brillante DG et al	Arterial stiffness and haemodynamic response to vasoactive medication in subjects with insulin-resistance syndrome	Clinical Science, 2008; 114: 139-147
Georgsson et al	Synthesis of a new class of druglike angiotensin II c-terminal mimics with affinity for the AT2 receptor	J. Med. Chem, 2007;50: 1711-1715
Wu et al	Selective angiotensin II AT2 receptor agonists: arylbenzimidazole structure-activity relationships	J Med Chem, 2006; 4: 7160-7168
Steckelings et al	Differential expression of angiotensin receptors in human cutaneous wound healing	British Jrnl of Dermatology, 2005;153: 887-893
Rosenström et al	New selective AT2 receptor ligands encompassing a gamma-turn mimetic replacing the amino acid residues 4-5 of angiotensin II act as agonists	J Med Chem, 2005; 48: 4009-4024
Georgsson et al	Angiotensin II pseudopeptides containing 1,3,5-trisubstituted benzene scaffolds with high AT2 receptor affinity	J Med Chem, 2005; 48: 6620-6631
Wan et al	Design, synthesis, and biological evaluation of the first selective nonpeptide AT2 receptor agonist	J Med Chem, 2004; 47: 5995-6008
Horiuchi M, et al	Recent progress in angiotensin II type 2 receptor research in the cardiovascular system	Hypertension, 1999; 33: 613-621
Hein L et al	Intracellular trafficking of angiotensin II and its AT1 and AT2 receptors: evidence for selective sorting of receptor and ligand	Molecular Endocrinology 1997;11: 1266-1277
Hein L et al	Behavioural and cardiovascular effects of disrupting the angiotensin	Nature, 1995; 377
Mukoyama M, et al	Expression cloning of type 2 angiotensin II receptor reveals a unique class of seven-transmembrane receptors	The Journal of Biological Chemistry, 1993; 268 No 33; 24539-24542

new

new

Atherosclerosis, Vascular and blood pressure			
Sampson et al	Compound 21, a selective agonist of angiotensin AT2 receptors, prevents en	Br J Pharmacol. 2016 Feb;173(4):729-40. doi: 10.1111/bph.13063. Epub 2015 Jun 29	new
Cailion et al	The angiotensin II type 2 receptor activates flow-mediated outward remodelling through T cells-dependent interleukin-17 production.	Cardiovasc Res. 2016 Oct;112(1):515-25. doi: 10.1093/cvr/cww172. Epub 2016 Jun 21	new
Carey	AT2 Receptors: Potential Therapeutic Targets for Hypertension With Activation of PPARγ		new
Kukida et al	Angiotensin II Type 2 Receptor Inhibits Vascular Intimal Proliferation With Activation of PPARγ	Am J Hypertens. 2016 Jun;29(6):727-36. doi: 10.1093/ajh/hpv168. Epub 2016 Jun 21	new
Dai SY et al	Central Infusion of Angiotensin II Type 2 Receptor Agonist Compound 21 Attenuates DOCA/NaCl-Induced Hypertension in Female Rats	Oxidative Medicine and Cellular Longevity Volume 2016 (2016), Article ID 3981790, 9 pages	new
Kemp BA et al	AT2 Receptor Activation Prevents Sodium Retention and Reduces Blood Pressure in Angiotensin II-Dependent Hypertension	Circ Res. 2016 Aug 5;119(4):532-43. doi: 10.1161/CIRCRESAHA.116.311111	new
Nakaoka, et al	Interferon regulatory factor 1 attenuates vascular remodeling; roles of angiotensin II type 2 receptor	J Am Soc Hypertens. 2016 Oct;10(10):811-818. doi: 10.1016/j.jash.2016.07.005. Epub 2016 Aug 4.	
Bai et al	Synergistic Inhibitory Effect of Rosuvastatin and Angiotensin II Type 2 Receptor Agonist on Vascular Remodeling	J Pharmacol Exp Ther. 2016 Aug;358(2):352-8. doi: 10.1124/jpet.116.233148. Epub 2016 May 25.	
Brouwers et al	8d.09: nighttime hypotensive effects of central Angiotensin ii type 2 receptor stimulation through improved spontaneous baroreflex sensitivity: more in shr than in wky	J hypertens . 2015 Jun;33 Suppl 1:e116. doi:10.1097/01.hjh.0000467663.61532.18.	
Gao J, Zucker IH, Gao L.	Activation of central angiotensin type 2 receptors by compound 21 improves arterial baroreflex sensitivity in rats with heart failure.	Am J Hypertens. 2014 Oct;27(10):1248-56. doi: 10.1093/ajh/hpu044. Epub 2014 Mar 31.PMID: 24687998	
Brouwers et al	Angiotensin II Type 2 receptor-mediated and nitric oxide-dependent renal vasodilator respond to Compound 21 unmasked by angiotensin-converting enzyme inhibition in spontaneously hypertensive rats in vivo	DOI:11.1161/hypertensionaha.112.00762	
Bruce E et al	Abstract 18903: Stimulation of Angiotensin Type 2 Receptor as a Potential Therapy for Pulmonary Hypertension	Circulation, 2012; 126: A18903	
Rehman et al	Angiotensin type 2 receptor agonist compound 21 reduces vascular injury and myocardial fibrosis in stroke-prone spontaneously hypertensive rats	Hypertension, 2012; 59: 291-299	
Verdonk et al	Compound 21 Induces Vasorelaxation via an Endothelium- and Angiotensin II Type 2 Receptor-Independent Mechanism	Hypertension, 2012; 60: 722-729	
Paulis L et al	Direct angiotensin II type 2 receptor stimulation in Nω-nitro-L-arginine-methyl ester-induced hypertension:the effect on pulse wave velocity and aortic remodeling	Hypertension 2012 feb;59(2):485-92	
Jones et al	A single beta-amino acid substitution to angiotensin II confers AT2 receptor selectivity and vascular function	Hypertension, 2011; 57: 570-576	
Habashi J et al	Angiotensin II type 2 receptor signaling attenuates aortic aneurysm in mice through ERK antagonism	Science, 2011 april 15; 332(6027):361-365	
Yang et al	Pressor and renal hemodynamic effects of the novel angiotensin A peptide are angiotensin II type 1A receptor dependent	Hypertension, 2011;57: 956-964	
Moltzer et al	Effects of angiotensin metabolites in the coronary vascular bed of the spontaneously hypertensive rat: loss of angiotensin II type 2 receptor-mediated vasodilation	Hypertension, 2010; 55: 516-522	
Bosnyak et al	Stimulation of angiotensin AT2 receptors by the non-peptide agonist, Compound 21, evokes vasodepressor effects in conscious spontaneously hypertensive rats.	BJP 2010;159: 709-716	
Johansson ME et al	Angiotensin type 2 receptor is expressed in human atherosclerotic lesions	JRAAS, 2008; 9 nr1	
Savoia C et al	Angiotensin type 2 receptor in resistance arteries of type 2 diabetic hypertensive patients	Hypertension, 2007;49:341-346	
Sales VL et al	Angiotensin type 2 receptor is expressed in murine atherosclerotic lesions and modulates lesion evolution	Circulation, 2005;112:3328-3336	
Stoll M et al	The angiotensin AT2 receptor mediates inhibition of cell proliferation in coronary endothelial cells	J Clin Invest, 1995; 95: 651-657	

Brain and neural mechanisms (incl stroke):			
Fouda et al	Role of interleukin-10 in the neuroprotective effect of the Angiotensin Type 2 Receptor agonist, compound 21, after ischemia/reperfusion injury	Endocrinology. 2016 Aug;157(8):3167-80. doi: 10.1210/en.2016-1131. Epub 2016 Jun 6	new
De Kloet et al	Angiotensin Type-2 Receptors Influence the Activity of Vasopressin Neurons	Endocrinology. 2016 Aug;157(8):3167-80. doi: 10.1210/en.2016-1131.	new
Gallego-Delgado et al	Angiotensin receptors and β-catenin regulate brain endothelial integrity in malaria	J Clin Invest. 2016 Oct 3;126(10):4016-4029. doi: 10.1172/JCI87306. Epub 2016 Sep 19.	new
Sumners et al	OS 32-03 Angiotensin II type2 receptor agonist exerts sustained neuroprotective effect in aged rats	J Hypertens. 2016 Sep;34 Suppl 1 - ISH 2016 Abstract Book:e390	new
Schwengel et al	Angiotensin AT2-receptor stimulation improves survival and neurological outcome after experimental stroke in mice.	J Mol Med (Berl). 2016 Aug;94(8):957-66. doi: 10.1007/s00109-016-1406-3. Epub 2016 Mar 16	new
Mateos et al	Angiotensin II type-2 receptor stimulation induces neuronal VEGF synthesis after cerebral ischemia.	Biochim Biophys Acta. 2016 Jul;1862(7):1297-308. doi: 10.1016/j.bbadis.2016.03.013. Epub 2016 Apr 1	new
Brouwers et al	Hypotensive and sympathoinhibitory responses to selective central AT2 receptor stimulation in spontaneously hypertensive rats	Biochim Biophys Acta. 2016 Jul;1862(7):1297-308. doi: 10.1016/j.bbadis.2016.03.013. Epub 2016 Apr 1	
Iwanami J, et al	Direct angiotensin II type 2 receptor stimulation by compound 21 prevents vascular dementia.	J Am Soc Hypertens. 2015 Apr;9(4):250-6. doi: 10.1016/j.jash.2015.01.010. Epub 2015 Jan 24.	
Füchtemeier M et al.	Vascular change and opposing effects of the angiotensin type 2 receptor in a mouse model of vascular cognitive impairment. Füchtemeier M et al.	J Cereb Blood Flow Metab. 2015 Mar;35(3):476-84. doi: 10.1038/jcbfm.2014.221. Epub 2014 Dec 10	
Alhusban A, et al	Compound 21 is pro-angiogenic in the brain and results in sustained recovery after ischemic stroke. Alhusban A, Fouda AY, Bindu Pillai, Ishrat T, Soliman S, Fagan SC.	J Hypertens. 2015 Jan;33(1):170-80. doi: 10.1097/HJH.0000000000000364. PMID: 25304472	
McCarthy CA, et al	Direct angiotensin AT2 receptor stimulation using a novel AT2 receptor agonist, compound 21, evokes neuroprotection in conscious hypertensive rats	PLoS One. 2014 Apr 21;9(4):e95762. doi: 10.1371/journal.pone.0095762. eCollection 2014. PMID: 24752645	
Joseph JP, et al	The angiotensin type 2 receptor agonist Compound 21 elicits cerebroprotection in endothelin-1 induced ischemic stroke.	Neuropharmacology. 2014 Jun;81:134-41. doi: 10.1016/j.neuropharm.2014.01.044. Epub 2014 Feb 6. PMID: 24508710	
Iwanami J, et al	Possible synergistic effect of direct angiotensin II type 2 receptor stimulation by compound 21 with memantine on prevention of cognitive decline in type 2 diabetic mice.	Eur J Pharmacol. 2014 Feb 5;724:9-15. doi: 10.1016/j.ejphar.2013.12.015. Epub 2013 Dec 18. PMID: 24361310	
Min L-J et al.	Direct Stimulation of Angiotensin II Type 2 Receptor Initiated After Stroke Ameliorates Ischemic Brain Damage	Am J Hypertens. 2014; 27(8):1036-1044	
Valero-Esquitino V et al.	Direct angiotensin AT2-receptor stimulation attenuates T-cell and microglia activation and prevents demyelination in experimental autoimmune encephalomyelitis in mice	Clinical Science 214,doi 10.1042/CS20130601	
Sumners et al	Protective arms of the renin-angiotensin-system in neurological disease	Clin Exp Pharmacol Physiol. 2013 Aug;40(8):580-8. doi: 10.1111/1440-1681.12137.	
Mogi et al	Abstract WP113: Administration of Direct Angiotensin II Type-2 Receptor Agonist, Compound 21, Even After Stroke Prevents Ischemic Brain Damage	Stroke, 2013; 44:AWP113	
Mogi et al	Effect of angiotensin II type 2 receptor on stroke, cognitive impairment and neurodegenerative diseases	Geriatr Gerontol Int 2013; 13: 13–18	
Mogi et al	Roles of Brain Angiotensin II in Cognitive Function and Dementia	Hypertension, Vol 2012; 7 pages doi: 10.1155/2012/169649	
Namsolleck et al	AT2-receptor stimulation enhances axonal plasticity after spinal cord injury by upregulating BDNF expression	Neurobiology of Disease (2012), doi:10.1016/j.nbd.2012.11.008	
Gallo-Payet et al	Angiotensin II, a Neuropeptide at the frontier between Endocrinology and Neuroscience: Is there a link between the Angiotensin II Type 2 receptor and Alzheimers disease?	10.1016/j.nbd.2012.11.008	
Jing et al	Direct stimulation of angiotensin II type 2 receptor enhances	J Cereb Blood Flow Metab, 2012; 32: 248-255	
Gao et al	Activation of central Angiotensin type 2 receptors suppresses norepinephrine excretion and blood pressure in conscious rats	Am J Hypertens, 2011; 24: 724-730	
Gao et al	AT2 receptor signaling and sympathetic regulation	Curr Op Pharma, 2011; 11: 124-130	
Shraim et al	Microbore liquid chromatography with UV detection to study the in vivo passage of compound 21, a non-peptidergic AT2 receptor agonist, to the striatum in rats	J Neurosci Methods, 2011; 202: 137-142	
Namsolleck et al	Selective AT2-receptor stimulation promotes neuroregeneration and improves functional outcome in an animal model of spinal injury	J Hypertens, 2010; 28 e540 33: 299	
Mertens et al	Direct angiotensin II type 2 receptor stimulation decreases dopamine synthesis in the rat striatum	Neuropharmacology, 2010; 58: 1038-1044	
Mertens et al	The role of the central renin-angiotensin system in Parkinson's disease	JRAAS, 2010; 11: 49-56	
Gao et al	Imbalance of angiotensin type 1 receptor and angiotensin II type 2 receptor in the rostral ventrolateral medulla: potential mechanism for sympathetic overactivity in heart failure	Hypertension, 2008; 52: 708-714	

Cardiac/ Pulmonary		
Bruce et al	Selective Activation of AT2 Receptor Attenuates Progression of Pulmonary Hypertension and Inhibits Cardiopulmonary Fibrosis.	Br J Pharmacol. 2015 May;172(9):2219-31. doi: 10.1111/bph.13044. Epub 2015 Feb 27.
Lauer et al	Angiotensin Type 2 receptor stimulation ameliorates left ventricular fibrosis and dysfunction via regulation of tissue inhibitor of matrix metalloproteinase 1/matrix metalloproteinase 9 axis and transforming growth factor β1 in the rat heart	Hypertension 2014;63:00-00
Foulquier S et al	Perspective: A tale of two receptors	Nature, 2013;493 S9
Bruce E et al	AT2 Receptor agonist, compound 21, attenuates pulmonary hypertension and associated cardiac pathophysiology via the Vaso-protective ACE2/Ang-(1-7) Mas axis	Hypertension. 2012; 60: A230
Florez-Munoz et al	Renin-angiotensin-aldosterone system; Angiotensin-(1-9) attenuates cardiac fibrosis in the stroke-prone spontaneously hypertensive rat via the angiotensin type 2 receptor	Hypertension. 2012;59:300-307
Jehle et al	A nonpeptide angiotensin II type 2 receptor agonist does not attenuate postmyocardial infarction left ventricular remodeling in mice	J Cardiovasc Pharmacol. 2012; 59: 363-368
Dell'Italia et al	Translational success stories: Angiotensin receptor 1 agonists in heart failure	Circulation research. 2011;109:437-452
Moltzer et al	The role of the renin-angiotensin system in thoracic aortic aneurysms: Clinical implications	Pharma Ther. 2011; 131: 50-60
Curato et al	Identification of noncytotoxic and IL-10-producing CD8+AT2R+ T cell population in response to ischemic heart injury	J Immunol. 2010; 185: 6286-6293
Simko et al	Remodelling of the heart and vessels in experimental hypertension: advances in protection	J Hypertens. 2010; 28: S1-S6
Steckelings et al	The angiotensin AT2 receptor in left ventricular hypertrophy	J Hypertens 2010;28: S50-S55
Jones et al	AT2 receptors: functional relevance in cardiovascular disease	Pharma Ther. 2008; 120: 292-316
Kaschina et al	AT2-receptor stimulation: a novel option of therapeutic interference with the renin-angiotensin-system in myocardial infarction?	Circulation 2008; 118: 2523-2532

Diabetes and metabolism:		
Wang et al	Angiotensin II Type 2 Receptor Activation With Compound 21 Augments Islet Function and Regeneration in Streptozotocin-Induced Neonatal Rats and Human Pancreatic Progenitor Cells.	Pancreas. 2017 Mar;46(3):395-404. doi: 10.1097/MPA.0000000000000754
Nakaoka, et al	Angiotensin II type 2 receptor signaling affects dopamine levels in the brain and prevents binge eating disorder.	J Renin Angiotensin Aldosterone Syst. 2015 Mar 9. pii: 1470320315573680. [Epub ahead of print]
Nag S et al	Chronic angiotensin AT2R activation prevents high-fat diet-induced adiposity and obesity in female mice independent of estrogen	Metabolism. 2015 Jul;64(7):814-25. doi: 10.1016/j.metabol.2015.01.019. Epub 2015 Mar 14
Casselbrant et al	Angiotensin II exerts dual actions on sodium-glucose transporter 1-mediated transport in the human jejunal mucosa	Scand J Gastroenterol. 2015 Sep;50(9):1068-75. doi: 10.3109/00365521.2015.1019557. Epub 2015 Apr 10.
Shao et al	Activation of angiotensin type 2 receptors partially ameliorates streptozotocin-induced diabetes in male rats by islet protection	Endocrinology. 2014 Mar;155(3):793-804.
Shao et al	Angiotensin Type 2 Receptor in Pancreatic 1 Islets of Adult Rats: A Novel Insulinotropic Mediator	Am J Physiol Endocrinol Metab (Oct 1, 2013)
Ali et al	AT2 receptor activation prevents high sodium-induced increase in blood pressure and insulin resistance in obese rats	Abstract, HBPR 2013
A Khan et al	Chronic treatment with AT2 receptor agonist rescues high fat diet- induced obesity in female mice	Hypertension. 2012; Vol 60; Issue 3:75
Shum et al	Angiotensin II type 2 receptor promotes adipocyte differentiation and restores adipocyte size in high fat/high fructose diet induced insulin resistance in rats	Am J Endocrinol Metab (Nov 13, 2012)
Ohshima et al	Direct Angiotensin II type 2 receptor stimulation ameliorates insulin resistance in type 2 diabetes mice with PPARγ activation	PLOS ONE. 2012; 11: Vol 7
Krämer et al	Pharmacological stimulation of the AT2 receptor ameliorates experimental diabetic nephropathy in a blood pressure- independent manner	ESC/ISH Annual Meeting. Berlin, 2008. Abstract.

Gene expression and polymorphisms:		
Savoia C et al	Improved Angiotensin II type 2 receptor expression and function in transglutaminase 2 knock-out mice treated with Angiotensin II	Abstract, HBPR 2013
Reinemund et al	Poly(ADP-ribose) polymerase-1 (PARP-1) transcriptionally regulates angiotensin AT2 receptor (AT2R) and AT2R binding protein (ATBP) genes	Biochem Pharma 2009; 77: 1795-1805
Alfakih K et al	Effect of a common X-linked angiotensin II type 2-receptor gene polymorphism (-1332G/A) on the occurrence of premature myocardial infarction and stenotic atherosclerosis requiring revascularization	Atherosclerosis, 2007; 195: 32-e38
Alfakih K et al	Left ventricle mass index and the common, functional, x-linked angiotensin II type-2 receptor gene polymorphism (-1332 G/A) in patients with systemic hypertension	Hypertension. 2004; 43:1189-1194
Schmieder RE et al	effect of the angiotensin II type 2-receptor gene (+1675 G/A) on left ventricular structure in humans	JACC 2001; 37

GI mechanisms:		
Fändriks	The angiotensin II type 2 receptor and the gastrointestinal tract	JRAAS, 2011; 11:43-48
Fändriks	The renin-angiotensin system and the gastrointestinal mucosa	Acta Phys, 2011, 157-167
Casselbrant et al	Angiotensin II receptors are expressed and functional in human esophageal mucosa	Am. J. Physiol. Gastrointest. Liver Physiol. 2009; 297:1019- 1027

Inflammation and Immunoregulation:			
Casselbrant et al	Angiotensin II exerts dual actions on sodium-glucose transporter 1-mediated transport in the human jejunal mucosa	Scand J Gastroenterol. 2015;50(9):1068-75. doi: 10.3109/00365521.2015.1019557. Epub 2015 Apr 10 eCollection 2016.	new
Balia et al	The effect of high glucose on the inhibitory action of C21, a selective AT2R agonist, of LPS-stimulated tissue factor expression in human mononuclear cells	J Inflamm (Lond). 2016 May 4;13:14. doi: 10.1186/s12950-016-0123-6. eCollection 2016.	new
Dhande I, et al	Angiotensin AT2 receptor stimulation is anti-inflammatory in lipopolysaccharide-activated THP-1 macrophages via increased interleukin-10 production.	Hypertens Res. 2015 Jan;38(1):21-9. doi: 10.1038/hr.2014.132. Epub 2014 Sep 11.	
Sampson AK et al	Compound 21 prevents endothelial inflammation and leukocyte adhesion in vitro and in vivo.	Br J Pharmacol. 2015 Jan 5. doi: 10.1111/bph.13063. [Epub ahead of print] PMID: 2556076	
Menk M, et al	Stimulation of the Angiotensin II AT2 Receptor is Anti-inflammatory in Human Lipopolysaccharide-Activated	Inflammation. 2015 Aug;38(4):1690-9. doi: 10.1007/s10753-015-0146-9.	
Dhande I, et al	Proximal tubule angiotensin AT2 receptors mediate an anti-inflammatory response via interleukin-10: role in renoprotection in obese rats.	Hypertension. 2013 Jun;61(6):1218-26. doi: 10.1161/HYPERTENSIONAHA.111.00422. Epub 2013 Apr 1. PMID: 2354723	
Valero-Esquitino et al	Direct angiotensin type 2 receptor (AT2R) stimulation attenuates T-cell and microglia activation and prevents demyelination in experimental autoimmune encephalomyelitis in mice.	Clin Sci (Lond). 2015 Jan;128(2):95-109. doi: 10.1042/CS20130601. PMID: 25052203	
Dhande I, et al	Angiotensin AT2 receptor stimulation is anti-inflammatory in lipopolysaccharide-activated THP-1 macrophages via increased interleukin-10 production.	Hypertens Res. 2015 Jan;38(1):21-9. doi: 10.1038/hr.2014.132. Epub 2014 Sep 11. PMID: 25209104	
Sampson	AT2R Stimulation prevents TNFα-Induced vascular inflammation In Vitro and Ex Vivo	Abstract, HBPR 2013	
Matavelli et al	Angiotensin AT2 receptor stimulation inhibits early renal inflammation in renovascular hypertension	Hypertension, 2011; 57: 308-313	
Rompe et al	Direct angiotensin II type 2 receptor stimulation acts anti-inflammatory through epoxyeicosatrienoic acid and inhibition of nuclear factor kappaB	Hypertension, 2010; 55: 924-931	
Rompe et al	The angiotensin AT2 receptor in inflammation	DNP, 2010; 23: 104-111	
Rompe et al	Angiotensin AT2-receptor agonism: pharmacological inhibition of interleukin-6 and NF- κ B by stimulating an endogenous hormonal system	2009	

Renal:			
Peluso et al	The angiotensin type 2 receptor and the kidney.	Curr Opin Nephrol Hypertens. 2017 Jan;26(1):36-42.	new
Castoldi et al	Angiotensin Type-2 (AT-2)-Receptor activation reduces renal fibrosis in cyclosporine nephropathy: Evidence for blood-pressure independent	Biosci Rep. 2016 Sep 27. pii: BSR20160278. [Epub ahead of print]	new
Patel et al	Angiotensin II Type 2-Receptor Agonist C21 Reduces Proteinuria and Oxidative	Hypertension. 2016 May;67(5):906-15. doi: 10.1161/HYPERTENSIONAHA.115.06881. Epub 2016 Mar 28	new
Koulis, et al	AT2R agonist, compound 21, is reno-protective against type 1 diabetic nephropathy.	Hypertension. 2015 May;65(5):1073-81. doi: 10.1161/HYPERTENSIONAHA.115.05204. Epub 2015 Mar 16.	
Matavelli et al	A nonpeptide angiotensin II type 2 receptor agonist prevents renal inflammation in early diabetes	J Cardiovasc Pharmacol. 2015 Apr;65(4):371-6. doi: 10.1097/FJC.0000000000000207	
Ali Q, et al	Angiotensin AT2 receptor agonist prevents salt-sensitive hypertension in obese Zucker rats	Am J Physiol Renal Physiol. 2015 Jun 15;308(12):F1379-85. doi: 10.1152/ajprenal.00002.2015. Epub 2015 Apr 8.	
Castoldi G et al	Prevention of diabetic nephropathy by Compound 21 selective agonist of the angiotensin type 2 receptors, in Zucker diabetic fatty rats	Am J Physiol Renal Physiol. 2014 Nov 15;307(10):F1123-31. doi: 10.1152/ajprenal.00247.2014. Epub 2014 Sep	
Hrenák J, et al	Protective effect of captopril, olmesartan, melatonin and compound 21 on doxorubicin-induced nephrotoxicity in rats.	Physiol Res. 2013 Dec 12;62 Suppl 1:S181-9. PMID: 24329698	
McKelvey et al.	The effect of C21 on diabetic nephropathy progression via AT2R activation	Nephrology. Aug 2014; Vol 19, Issue S4:17-57 (abstract 149)	
Savoia C and Volpe M.	Editorial Commentary. Impact of the Direct Angiotensin II Type 2 Receptor Stimulation on Renal Function	Hypertension. 2014;64:227-228	
Hilliard LM et al.	Angiotensin Type 2 Receptor Stimulation Increases Renal Function in Female, but Not Male, Spontaneously Hypertensive Rats	Hypertension. 2014;64:378-383	
Kemp B et al.	AT2 Receptor Activation Induces Natriuresis and Lowers Blood Pressure	Circulation research. 2014; 115:388-399	
Dhande I et al	Proximal tubule angiotensin AT2 receptors mediate anti-inflammatory response via interleukin-10: Role in renoprotection in obese rats	Hypertension. 2013 Jun;61(6):1218-26. doi: 10.1161/HYPERTENSIONAHA.111.00422. Epub 2013 Apr 1	
Howell et al	Chronic Compound-21 infusion induces natriuresis in wild-type mice but not in AT2 receptor-null mice	Abstract, HBPR 2013	
Carey et al	Role of angiotensin AT2 receptors in natriuresis: intrarenal mechanisms and therapeutic potential	Clinical and Experimental Pharmacology and Physiology (2013), 40, 527–534	
Kemp B et al	Compound 21 induces natriuresis via renal AT2 receptor activation in male and female rats	Hypertension 2012;60: Issue 3: 386	
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Matavelli et al	Angiotensin AT2 receptor stimulation inhibits early renal inflammation in renovascular hypertension	Hypertens 2011; 57: 308-313	
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