

# CITATION REPORT

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## Advances in the treatment of type 2 diabetes mellitus

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#	Paper	IF	Citations
122	Role of heme oxygenase in inflammation, insulin-signalling, diabetes and obesity. <b>2010</b> , 2010, 359732		113
121	Epac2-dependent rap1 activation and the control of islet insulin secretion by glucagon-like peptide-1. <b>2010</b> , 84, 279-302		52
120	Determination of repaglinide in human plasma by high-performance liquid chromatography tandem mass spectrometry. <b>2011</b> , 1, 40-45		8
119	Carbohydrate Derivatives and Glycomimetic Compounds in Established and Investigational Therapies of Type 2 Diabetes Mellitus. <b>2011</b> ,		2
118	Investigation of the insulin-like properties of zinc(II) complexes of 3-hydroxy-4-pyridinones: identification of a compound with glucose lowering effect in STZ-induced type I diabetic animals. <b>2011</b> , 105, 1675-82		28
117	Molecular physiology of glucagon-like peptide-1 insulin secretagogue action in pancreatic $\beta$ cells. <b>2011</b> , 107, 236-47		85
116	Assessment of research models for testing gene-environment interactions. <b>2011</b> , 668 Suppl 1, S108-16		4
115	New therapeutic agents for glycemic control in diabetes mellitus. <b>2012</b> , 55, 271		
114	Docking, synthesis and anti-diabetic activity of novel sulfonylhydrazone derivatives designed as PPAR-gamma agonists. <b>2012</b> , 12, 2037-48		10
113	The TALLYHO mouse as a model of human type 2 diabetes. <b>2012</b> , 933, 75-87		37
112	Oral salmon calcitonin improves fasting and postprandial glycemic control in lean healthy rats. <b>2012</b> , 44, 130-4		11
111	Mechanisms of current therapies for diabetes mellitus type 2. <b>2012</b> , 36, 275-83		18
110	The molecular mechanisms of pancreatic $\beta$ cell glucotoxicity: recent findings and future research directions. <b>2012</b> , 364, 1-27		193
109	Assessment of diabetic nephropathy in the Akita mouse. <b>2012</b> , 933, 17-29		8
108	Maplexins, new $\alpha$ -glucosidase inhibitors from red maple ( <i>Acer rubrum</i> ) stems. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2012</b> , 22, 597-600	2.9	52
107	Synthesis of chalcone derivatives as potential anti-diabetic agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2012</b> , 22, 3912-5	2.9	95
106	How doctors practice evidence-based medicine. <b>2013</b> , 19, 44-9		2

105	Thielavins A, J and K: $\alpha$ -Glucosidase inhibitors from MEXU 27095, an endophytic fungus from <i>Hintonia latiflora</i> . <b>2013</b> , 94, 198-205		33
104	Uncertainty evaluation for the determination of repaglinide in human plasma by LCMS/MS. <b>2013</b> , 18, 61-70		5
103	Progression through diabetes therapies among new elderly users of metformin: a population-based study. <b>2013</b> , 30, e51-5		5
102	Mexican antidiabetic herbs: valuable sources of inhibitors of $\alpha$ -glucosidases. <b>2013</b> , 76, 468-83		79
101	Synthesis of tartaric acid analogues of FR258900 and their evaluation as glycogen phosphorylase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2013</b> , 23, 1789-92	2.9	5
100	Acylated Flavonoid from <i>Vaccinium Corymbosum</i> (Ericaceae) Flowers with Yeast $\alpha$ -Glucosidase Inhibitory Activity. <b>2013</b> , 12,		
99	Coenzyme Q10 prevents peripheral neuropathy and attenuates neuron loss in the db/db- mouse, a type 2 diabetes model. <b>2013</b> , 110, 690-5		46
98	Tea and Starch Digestibility. <b>2013</b> , 457-467		1
97	Novel benzoxazine-based aglycones block glucose uptake in vivo by inhibiting glycosidases. <b>2014</b> , 9, e102759	14	
96	Amylin in vasodilation, energy expenditure and inflammation. <b>2014</b> , 19, 936-44		5
95	Xanthones from <i>Swertia mussotii</i> and their $\alpha$ -glycosidase inhibitory activities. <b>2014</b> , 80, 201-8		17
94	Potential $\alpha$ -glucosidase inhibitors from thermal transformation of (+)-catechin. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2014</b> , 24, 1621-4	2.9	19
93	Evaluation of antidiabetic property of <i>Andrographis paniculata</i> powder in high fat and sucrose-induced type-2 diabetic adult male rat. <b>2014</b> , 4, S140-S147		8
92	Anthocyanins and Diabetes Regulation. <b>2014</b> , 83-93		0
91	Local levels of inflammatory mediators in uncontrolled type 2 diabetic subjects with chronic periodontitis. <b>2014</b> , 41, 11-8		44
90	Tofogliflozin, a sodium/glucose cotransporter 2 inhibitor, attenuates body weight gain and fat accumulation in diabetic and obese animal models. <b>2014</b> , 4, e125		66
89	Xanthones from <i>Swertia mussotii</i> as multitarget-directed antidiabetic agents. <b>2014</b> , 9, 1374-7		20
88	A concise synthesis of N-substituted fagomine derivatives and the systematic exploration of their $\alpha$ -glycosidase inhibition. <b>2014</b> , 77, 211-22		6

87	Efficacy of voglibose in type 2 diabetes. <b>2014</b> , 15, 1181-90	34
86	α-Glucosidase Inhibitors from <i>Vauquelinia corymbosa</i> . <b>2015</b> , 20, 15330-42	20
85	Additive Renoprotection by Pioglitazone and Fenofibrate against Inflammatory, Oxidative and Apoptotic Manifestations of Cisplatin Nephrotoxicity: Modulation by PPARs. <b>2015</b> , 10, e0142303	30
84	Overcoming Insulin Insufficiency by Forced Follistatin Expression in β-cells of db/db Mice. <b>2015</b> , 23, 866-874	20
83	Mechanism of action of hypoglycemic effects of an intestine-specific inhibitor of microsomal triglyceride transfer protein (MTP) in obese rats. <b>2015</b> , 127, 103-8	6
82	Combined use of high-resolution α-glucosidase inhibition profiling and high-performance liquid chromatography-high-resolution mass spectrometry-solid-phase extraction-nuclear magnetic resonance spectroscopy for investigation of antidiabetic principles in crude plant extracts. <b>2015</b> , 43, 2257-62	39
81	Synthesis, docking and ADMET studies of novel chalcone triazoles for anti-cancer and anti-diabetic activity. <b>2015</b> , 93, 564-73	73
80	Attenuation of inflammatory response by a novel chalcone protects kidney and heart from hyperglycemia-induced injuries in type 1 diabetic mice. <b>2015</b> , 288, 179-91	19
79	Anti-inflammatory effects of grape seed procyanidin B2 on a diabetic pancreas. <b>2015</b> , 6, 3065-71	39
78	α-Glucosidase Inhibitors from a <i>Xylaria feejeensis</i> Associated with <i>Hintonia latiflora</i> . <b>2015</b> , 78, 730-5	37
77	Iridoid glycosides from the flower buds of <i>Lonicera japonica</i> and their nitric oxide production and α-glucosidase inhibitory activities. <b>2015</b> , 18, 512-519	24
76	In vitro anti-diabetic effect and chemical component analysis of 29 essential oils products. <b>2015</b> , 23, 124-129	39
75	Anti-diabetic molecules from <i>Cycas pectinata</i> Griff. traditionally used by the Maiba-Maibi. <b>2015</b> , 22, 23-6	15
74	Vanadium compounds for the treatment of human diabetes mellitus: A scientific curiosity? A review of thirty years of research. <b>2016</b> , 95, 137-41	51
73	Alkaloids from the Fungus <i>Penicillium spathulatum</i> as α-Glucosidase Inhibitors. <b>2016</b> , 82, 1286-94	15
72	α-Glucosidase inhibitory activities of phenolic acid amides with L-amino acid moiety. <b>2016</b> , 6, 50837-50845	4
71	Exploring molecular flexibility and the interactions of Quercetin derivatives in the active site of α-glucosidase using molecular docking and charge density analysis. <b>2016</b> , 1094, 55-68	8
70	Comparative analysis of interactions between the hydropyridine dicarboxylate derivatives and different proteins by molecular docking and charge density analysis. <b>2016</b> , 15, 1650050	1

69	In vitro and in vivo anti-diabetic and hepatoprotective effects of edible pods of <i>Parkia roxburghii</i> and quantification of the active constituent by HPLC-PDA. <b>2016</b> , 191, 21-28	14
68	A novel $\alpha$ -glucosidase inhibitory constituent from <i>Uncaria gambir</i> . <b>2016</b> , 70, 811-5	6
67	Phenolics Content and Inhibitory Effect of Sugarcane Molasses on $\alpha$ -Glucosidase and $\alpha$ -Amylase In Vitro. <b>2016</b> , 18, 333-339	8
66	Isocoumarins and benzofurans from the mangrove endophytic fungus <i>Talaromyces amestolkiae</i> possess $\alpha$ -glucosidase inhibitory and antibacterial activities. <b>2016</b> , 6, 26412-26420	75
65	Comparison of the molecular interactions of 7- <i>o</i> -carboxyalkyl apigenin derivatives with <i>S. cerevisiae</i> $\alpha$ -glucosidase. <b>2017</b> , 67, 182-193	
64	C-Glycopyranosyl Arenes and Hetarenes: Synthetic Methods and Bioactivity Focused on Antidiabetic Potential. <b>2017</b> , 117, 1687-1764	119
63	Probing the influence of carboxyalkyl groups on the molecular flexibility and the charge density of apigenin derivatives. <b>2017</b> , 23, 70	2
62	van der Waals interactions govern C- $\beta$ -glucopyranosyl triazoles' inhibitory potency in human liver glycogen phosphorylase. <b>2017</b> , 199, 57-67	13
61	Bioactive constituents from <i>Vitex negundo</i> var. <i>heterophylla</i> and their antioxidant and $\alpha$ -glucosidase inhibitory activities. <b>2017</b> , 35, 236-244	19
60	Synthesis, docking, and evaluation of novel thiazoles for potent antidiabetic activity. <b>2017</b> , 26, 1306-1315	14
59	Ultrasound Stimulation of Insulin Release from Pancreatic Beta Cells as a Potential Novel Treatment for Type 2 Diabetes. <b>2017</b> , 43, 1210-1222	23
58	Investigation of antidiabetic potential of <i>Phyllanthus niruri</i> L. using assays for $\alpha$ -glucosidase, muscle glucose transport, liver glucose production, and adipogenesis. <b>2017</b> , 493, 869-874	20
57	Quick Identification of Piperidine Alkaloid from Roots of <i>Grewia nervosa</i> and Their Glucosidase Inhibitory Activity. <b>2017</b> , 14, e1700400	4
56	Quality of Care of the Initial Patient Cohort of the Diabetes Collaborative Registry. <b>2017</b> , 6,	14
55	Inhibition of high glucose-induced inflammation and fibrosis by a novel curcumin derivative prevents renal and heart injury in diabetic mice. <b>2017</b> , 278, 48-58	37
54	The diabetic brain and cognition. <b>2017</b> , 124, 1431-1454	52
53	Plasma-Induced Degradation of Quercetin Associated with the Enhancement of Biological Activities. <b>2017</b> , 65, 6929-6935	17
52	Hydroxymethylation of Rutin Induced by Radiolysis as Novel $\alpha$ -Glucosidase Inhibitors. <b>2017</b> , 65, 678-682	4

51	Calcium-dependent ultrasound stimulation of secretory events from pancreatic beta cells. <b>2017</b> , 5, 30	11
50	Promising Inhibitory Effects of Anthraquinones, Naphthopyrone, and Naphthalene Glycosides, from <i>Cassia obtusifolia</i> on $\alpha$ -Glucosidase and Human Protein Tyrosine Phosphatases 1B. <b>2016</b> , 22,	34
49	First total synthesis of cyclic pentadepsipeptides Hikiamides A-C. <b>2018</b> , 59, 2876-2879	1
48	New butenolide derivatives from the marine sponge-derived fungus <i>Aspergillus terreus</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2018</b> , 28, 315-318	2.9 34
47	Hydrogen sulfide in the regulation of insulin secretion and insulin sensitivity: Implications for the pathogenesis and treatment of diabetes mellitus. <b>2018</b> , 149, 60-76	46
46	Green synthesis of Au-Ag-In-rGO nanocomposites and its $\alpha$ -glucosidase inhibition and cytotoxicity effects. <b>2018</b> , 211, 48-50	15
45	<i>Prunus tomentosa</i> seed waste as a source of aromatic glycosides: Valuable phytochemicals with $\alpha$ -glucosidase inhibitory and hepatoprotective properties. <b>2018</b> , 111, 590-596	4
44	Anthocyanins and Diabetes Regulation. <b>2018</b> , 135-145	4
43	A green chemical oligomerization of phloroglucinol induced by plasma as novel $\alpha$ -glucosidase inhibitors. <b>2018</b> , 82, 2059-2063	4
42	In search of suitable extraction technique for large scale commercial production of bioactive fraction for the treatment of diabetes: The case Roxb. <b>2019</b> , 9, 106-118	4
41	Hepatic transcriptome and proteome analyses provide new insights into the regulator mechanism of dietary avicularin in diabetic mice. <b>2019</b> , 125, 108570	6
40	MicroRNA-125b-5p improves pancreatic $\beta$ cell function through inhibiting JNK signaling pathway by targeting DACT1 in mice with type 2 diabetes mellitus. <b>2019</b> , 224, 67-75	22
39	Light at night exacerbates metabolic dysfunction in a polygenic mouse model of type 2 diabetes mellitus. <b>2019</b> , 231, 116574	6
38	Identification of $\alpha$ -D-Glucopyranosyl Azole-Type Inhibitors of Glycogen Phosphorylase That Reduce Glycogenolysis in Hepatocytes: Design, Synthesis, Kinetics, and Studies. <b>2019</b> , 14, 1460-1470	10
37	Sesquiterpenoids and 2-(2-phenylethyl)chromones respectively acting as $\alpha$ -glucosidase and tyrosinase inhibitors from agarwood of an <i>Aquilaria</i> plant. <b>2019</b> , 34, 853-862	22
36	Beyond model interpretability using LDA and decision trees for $\alpha$ -amylase and $\alpha$ -glucosidase inhibitor classification studies. <b>2019</b> , 94, 1414-1421	4
35	Design and Discovery of Novel 1,3,5-Triazines as Dipeptidyl Peptidase-4 Inhibitor against Diabetes. <b>2019</b> , 103, 273-281	7
34	Antidiabetic constituents of <i>Dendrobium officinale</i> as determined by high-resolution profiling of radical scavenging and $\alpha$ -glucosidase and $\alpha$ -amylase inhibition combined with HPLC-PDA-HRMS-SPE-NMR analysis. <b>2019</b> , 31, 47-52	15

33	Anti-diabetic effects of trans-resveratrol byproducts induced by plasma treatment. <b>2019</b> , 119, 119-125	5
32	Administration of coenzyme Q10 to a diabetic rat model: changes in biochemical, antioxidant, and histopathological indicators. <b>2020</b> , 40, 143-152	0
31	Design, synthesis, docking and biological evaluation of chalcones as promising antidiabetic agents. <b>2020</b> , 95, 103527	21
30	Glucose-based spiro-oxathiazoles as in vivo anti-hyperglycemic agents through glycogen phosphorylase inhibition. <b>2020</b> , 18, 931-940	2
29	Metabolic Activity of Anthocyanin Extracts Loaded into Non-ionic Niosomes in Diet-Induced Obese Mice. <b>2020</b> , 37, 152	7
28	N- and C-Glycopyranosyl heterocycles as glycogen phosphorylase inhibitors. <b>2020</b> , 253-300	2
27	Synthesis and Biological Evaluation of Some Novel Quinoline based Chalcones as Potent Antimalarial, Anti-inflammatory, Antioxidant and Antidiabetic Agents. <b>2020</b> , 32, 959-964	1
26	Hydroxy--Clerodanes and 5,10---Clerodanes from. <b>2020</b> , 83, 2212-2220	4
25	Effect of Therapeutic Ultrasound on the Release of Insulin, Glucagon, and Alpha-Amylase from Ex Vivo Pancreatic Models. <b>2021</b> , 40, 2709-2719	0
24	Insulin-Mimetic Dihydroxanthyletin-Type Coumarins from with Protein Tyrosine Phosphatase 1B and $\alpha$ -Glucosidase Inhibitory Activities and Docking Studies of Their Molecular Mechanisms. <b>2021</b> , 10,	4
23	Inhibition of $\alpha$ -glucosidase and $\alpha$ -amylase by herbal compounds for the treatment of type 2 diabetes: A validation of in silico reverse docking with in vitro enzyme assays. <b>2021</b> , 13, 779-791	1
22	Dual-Target Compounds against Type 2 : Proof of Concept for Sodium Dependent Glucose Transporter (SGLT) and Glycogen Phosphorylase (GP) Inhibitors. <i>Pharmaceuticals</i> , <b>2021</b> , 14,	5.2 3
21	Potential antidiabetic phytochemicals in plant roots: a review of in vivo studies.. <i>Journal of Diabetes and Metabolic Disorders</i> , <b>2021</b> , 20, 1837-1854	2.5 8
20	Free radical scavenging and $\alpha$ -glucosidase inhibitory activities of the extracts of <i>Dystaenia takesimana</i> from Ulleung Island. <i>Korean Journal of Food Preservation</i> , <b>2019</b> , 26, 246-252	0.5 2
19	Inhibitory Activity of Naturally Occurring Compounds Towards Rat Intestinal $\alpha$ -glucosidase using p-nitrophenyl- $\alpha$ -D-glucopyranoside (PNP-G) as a Substrate. <i>American Journal of Food Technology</i> , <b>2012</b> , 8, 65-73	0.1 6
18	Anti-Obesity and Antihyperglycemic Effects of <i>Crataegus aronia</i> Extracts: <i>In Vitro</i> and <i>In Vivo</i> Evaluations. <i>Food and Nutrition Sciences (Print)</i> , <b>2013</b> , 04, 972-983	0.4 6
17	The Efficacy and Safety of Saxagliptin in Haemodialysis Patients. <i>Open Journal of Nephrology</i> , <b>2013</b> , 03, 83-88	0
16	Effectiveness of Cardiac Rehabilitation for Patients With Cardiac Disease Undergoing Coronary Artery Bypass Graft (CABG). <i>Jentashapir Journal of Health Research</i> , <b>2014</b> , 5,	0.8

15	Risk factors associated with carotid intima media thickness in adolescents with type 2 diabetes mellitus. <i>Endocrinology&amp;Metabolism International Journal</i> , <b>2018</b> , 6,	0	
14	Proinflammatory (CD14+CD16++) monocytes in type 2 diabetes mellitus patients with/without chronic periodontitis. <i>Dental Research Journal</i> , <b>2019</b> , 16, 95-103	0.8	2
13	Towards multi-target antidiabetic agents: In vitro and in vivo evaluation of 3,5-disubstituted indolin-2-one derivatives as novel $\alpha$ -glucosidase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2021</b> , 55, 128449	2.9	2
12	Optimized Box-Behnken experimental design based response surface methodology and YoudenB robustness test to develop and validate methods to determine nateglinide using kinetic spectrophotometry.. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2021</b> , 268, 120712	4.4	2
11	Recent advances in therapeutical applications of the versatile hydroxypyridinone chelators. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , <b>2022</b> , 102, 169	1.7	0
10	Two novel enantiomers from metarhizium flavoviride and their inhibitory activities against $\alpha$ -glucosidase. <i>Journal of Molecular Structure</i> , <b>2022</b> , 1264, 133322	3.4	
9	Human amniotic fluid stem cell therapy can help regain bladder function in type 2 diabetic rats. <i>World Journal of Stem Cells</i> , <b>2022</b> , 14, 330-346	5.6	0
8	Heterocyclic compounds as a magic bullet for diabetes mellitus: a review. <b>2022</b> , 12, 22951-22973		1
7	Design, synthesis, in vitro, and in silico biological evaluations of coumarin-indole hybrids as new anti- $\alpha$ -glucosidase agents. <b>2022</b> , 16,		0
6	Indole-carbohydrazide linked phenoxy-1,2,3-triazole-N-phenylacetamide derivatives as potent $\alpha$ -glucosidase inhibitors: Design, synthesis, in vitro $\alpha$ -glucosidase inhibition, and computational studies.		0
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4	Design, synthesis, $\alpha$ -glucosidase inhibition, pharmacokinetic, and cytotoxic studies of new indole-carbohydrazide-phenoxy- N -phenylacetamide derivatives.		0
3	Ursonic acid from Artemisia montana exerts anti-diabetic effects through anti-glycating properties, and by inhibiting PTP1B and activating the PI3K/Akt signaling pathway in insulin-resistant C2C12 cells. <b>2023</b> , 376, 110452		0
2	Evaluation of radical scavenging and diastereoselective enzyme inhibitory capacities of peach twigs fraction extract ( <i>Prunus persica</i> L. Bastch). <b>2023</b> , 30, 170-178		0
1	Enzymatic transformation of esculetin as a potent class of $\alpha$ -glucosidase inhibitors. <b>2023</b> , 129302		0