

Samuel Estrada-Soto

List of Publications by Year in descending order

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102
papers

2,681
citations

172207

29
h-index

214527

47
g-index

105
all docs

105
docs citations

105
times ranked

3586
citing authors

#	ARTICLE	IF	CITATIONS
1	Î±-Glucosidase inhibitory activity of the methanolic extract from <i>Tournefortia hartwegiana</i> : An anti-hyperglycemic agent. <i>Journal of Ethnopharmacology</i> , 2007, 109, 48-53.	2.0	197
2	Antidiabetic and toxicological evaluations of naringenin in normoglycaemic and NIDDM rat models and its implications on extra-pancreatic glucose regulation. <i>Diabetes, Obesity and Metabolism</i> , 2008, 10, 1097-1104.	2.2	142
3	A comparative study of flavonoid analogues on streptozotocin-nicotinamide induced diabetic rats: Quercetin as a potential antidiabetic agent acting via 11 β -Hydroxysteroid dehydrogenase type 1 inhibition. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 2606-2612.	2.6	114
4	Antidiabetic activity of some pentacyclic acid triterpenoids, role of PTP1B: In vitro, in silico, and in vivo approaches. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 2243-2251.	2.6	107
5	Synthesis and antimycobacterial activity of 4-(5-substituted-1,3,4-oxadiazol-2-yl)pyridines. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 5502-5508.	1.4	100
6	Antidiabetic activity of N-(6-substituted-1,3-benzothiazol-2-yl)benzenesulfonamides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 2871-2877.	1.0	87
7	Design, microwave-assisted synthesis, and spasmolytic activity of 2-(alkyloxyaryl)-1H-benzimidazole derivatives as constrained stilbene bioisosteres. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 4169-4173.	1.0	84
8	Semisynthesis, ex vivo evaluation, and SAR studies of coumarin derivatives as potential antiasthmatic drugs. <i>European Journal of Medicinal Chemistry</i> , 2014, 77, 400-408.	2.6	63
9	Antihypertensive and vasorelaxant effects of tilianin isolated from <i>Agastache mexicana</i> are mediated by NO/cGMP pathway and potassium channel opening. <i>Biochemical Pharmacology</i> , 2009, 78, 54-61.	2.0	61
10	Ursolic acid mediates the vasorelaxant activity of <i>Lepechinia caulescens</i> via NO release in isolated rat thoracic aorta. <i>Life Sciences</i> , 2006, 79, 1062-1068.	2.0	58
11	Design, synthesis, and in vitro antiprotozoal, antimycobacterial activities of N-{2-[(7-chloroquinolin-4-yl)amino]ethyl}ureas. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 6398-6403.	1.4	49
12	Discovery of Thiazolidine-2,4-Dione/Biphenylcarbonitrile Hybrid as Dual PPAR α/β Modulator with Antidiabetic Effect: In vitro, In Silico and In Vivo Approaches. <i>Chemical Biology and Drug Design</i> , 2013, 81, 474-483.	1.5	49
13	Antidiabetic effect of <i>Achillea millefolium</i> through multitarget interactions: α -glucosidases inhibition, insulin sensitization and insulin secretagogue activities. <i>Journal of Ethnopharmacology</i> , 2018, 212, 1-7.	2.0	49
14	Chrysin Induces Antidiabetic, Antidyslipidemic and Anti-Inflammatory Effects in Athymic Nude Diabetic Mice. <i>Molecules</i> , 2018, 23, 67.	1.7	48
15	Synthesis, vasorelaxant activity and antihypertensive effect of benzo[d]imidazole derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 3985-3991.	1.4	45
16	Synthesis, in vitro and computational studies of protein tyrosine phosphatase 1B inhibition of a small library of 2-arylsulfonylaminobenzothiazoles with antihyperglycemic activity. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 3332-3341.	1.4	42
17	Relaxant effects of <i>Artemisia ludoviciana</i> on isolated rat smooth muscle tissues. <i>Journal of Ethnopharmacology</i> , 2012, 139, 513-518.	2.0	41
18	Synthesis, hypoglycemic activity and molecular modeling studies of pyrazole-3-carbohydrazides designed by a CoMFA model. <i>European Journal of Medicinal Chemistry</i> , 2013, 69, 10-21.	2.6	40

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19	Vasorelaxant activity of some structurally related triterpenic acids from <i>Phoradendron reichenbachianum</i> (Viscaceae) mainly by NO production: Ex vivo and in silico studies. <i>FÄ-toterapÄ-Äç</i> , 2012, 83, 1023-1029.	1.1	39
20	Relaxant activity of 2-(substituted phenyl)-1H-benzimidazoles on isolated rat aortic rings. <i>Life Sciences</i> , 2006, 79, 430-435.	2.0	37
21	Hypoglycemic, vasorelaxant and hepatoprotective effects of <i>Cochlospermum vitifolium</i> (Willd.) Sprengel: A potential agent for the treatment of metabolic syndrome. <i>Journal of Ethnopharmacology</i> , 2007, 109, 400-405.	2.0	37
22	Antidiabetic, antihyperlipidemic and anti-inflammatory effects of tilianin in streptozotocin-nicotinamide diabetic rats. <i>Biomedicine and Pharmacotherapy</i> , 2016, 83, 667-675.	2.5	37
23	Dose-dependent antihypertensive determination and toxicological studies of tilianin isolated from <i>Agastache mexicana</i> . <i>Journal of Ethnopharmacology</i> , 2013, 146, 187-191.	2.0	36
24	Antihypertensive and vasorelaxant activities of <i>Laelia autumnalis</i> are mainly through calcium channel blockade. <i>Vascular Pharmacology</i> , 2008, 49, 26-31.	1.0	35
25	Synthesis of oleanolic acid derivatives: In vitro, in vivo and in silico studies for PTP-1B inhibition. <i>European Journal of Medicinal Chemistry</i> , 2014, 87, 316-327.	2.6	35
26	Tyrianthinic Acids from <i>Ipomoea tyrianthina</i> and Their Antimycobacterial Activity, Cytotoxicity, and Effects on the Central Nervous System. <i>Journal of Natural Products</i> , 2008, 71, 1686-1691.	1.5	33
27	Synthesis and molecular docking of N-arylidene-5-(4-chlorophenyl)-1-(3,4-dichlorophenyl)-4-methyl-1H-pyrazole-3-carbohydrazides as novel hypoglycemic and antioxidant dual agents. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 2298-2306.	1.4	33
28	Design, Synthesis and in Combo Antidiabetic Bioevaluation of Multitarget Phenylpropanoic Acids. <i>Molecules</i> , 2018, 23, 340.	1.7	33
29	Anti-diabetic effect on alloxanized and normoglycemic rats and some pharmacological evaluations of <i>Tournefortia hartwegiana</i> . <i>Journal of Ethnopharmacology</i> , 2005, 101, 37-42.	2.0	31
30	Synthesis of 2-{2-[(±)-1 ² -naphthalen-1-ylsulfonyl]amino}-1,3-thiazol-4-yl} acetamides with 11 ² -hydroxysteroid dehydrogenase inhibition and in combo antidiabetic activities. <i>European Journal of Medicinal Chemistry</i> , 2014, 74, 179-186.	2.6	30
31	Oleanolic acid induces a dual agonist action on PPAR ³ / _± and GLUT4 translocation: A pentacyclic triterpene for dyslipidemia and type 2 diabetes. <i>European Journal of Pharmacology</i> , 2020, 883, 173252.	1.7	30
32	1,5-Diarylpyrazole and vanillin hybrids: Synthesis, biological activity and DFT studies. <i>European Journal of Medicinal Chemistry</i> , 2015, 100, 106-118.	2.6	29
33	Vasorelaxant and antihypertensive effects of methanolic extract from roots of <i>Laelia anceps</i> are mediated by calcium-channel antagonism. <i>FÄ-toterapÄ-Äç</i> , 2010, 81, 350-357.	1.1	27
34	Antihyperglycemic and sub-chronic antidiabetic actions of morolic and moronic acids, in vitro and in silico inhibition of 11 ² -HSD 1. <i>Phytomedicine</i> , 2013, 20, 571-576.	2.3	27
35	Discovery, synthesis and in combo studies of a tetrazole analogue of clofibric acid as a potent hypoglycemic agent. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 3244-3247.	1.0	27
36	Synthesis of nitro(benzo)thiazole acetamides and in vitro antiprotozoal effect against amitochondriate parasites <i>Giardia intestinalis</i> and <i>Trichomonas vaginalis</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 2204-2210.	1.4	27

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37	Ursolic acid derivatives as potential antidiabetic agents: <i>in vitro</i> , <i>in vivo</i> , and <i>in silico</i> studies. <i>Drug Development Research</i> , 2018, 79, 70-80.	1.4	26
38	Synthesis, <i>ex vivo</i> and <i>in silico</i> studies of 3-cyano-2-pyridone derivatives with vasorelaxant activity. <i>European Journal of Medicinal Chemistry</i> , 2013, 70, 669-676.	2.6	25
39	Ex Vivo Study of the Vasorelaxant Activity Induced by Phenanthrene Derivatives Isolated from <i>Maxillaria densa</i> . <i>Journal of Natural Products</i> , 2012, 75, 2241-2245.	1.5	24
40	Vasorelaxant mode of action of dichloromethane-soluble extract from <i>Agastache mexicana</i> and its main bioactive compounds. <i>Pharmaceutical Biology</i> , 2016, 54, 2807-2813.	1.3	24
41	Synthesis and evaluation of thiazolidine-2,4-dione/benzazole derivatives as inhibitors of protein tyrosine phosphatase 1B (PTP-1B): Antihyperglycemic activity with molecular docking study. <i>Biomedicine and Pharmacotherapy</i> , 2018, 107, 1302-1310.	2.5	24
42	<i>Cochlospermum vitifolium</i> induces vasorelaxant and antihypertensive effects mainly by activation of NO/cGMP signaling pathway. <i>Journal of Ethnopharmacology</i> , 2010, 130, 477-484.	2.0	23
43	Vasorelaxant effect of flavonoids through calmodulin inhibition: <i>Ex vivo</i> , <i>in vitro</i> , and <i>in silico</i> approaches. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 542-546.	1.4	23
44	Antihypertensive and vasorelaxant effects of dihydrospinochalcone-A isolated from <i>Lonchocarpus xuul</i> Lundell by NO production: Computational and <i>ex vivo</i> approaches. <i>Phytomedicine</i> , 2013, 20, 1241-1246.	2.3	23
45	Chemical constituents of the hemiparasitic plant <i>Phoradendron brachystachyum</i> DC Nutt (Viscaceae). <i>Natural Product Research</i> , 2013, 27, 130-136.	1.0	23
46	Depressant effects of <i>Agastache mexicana</i> methanol extract and one of major metabolites tilianin. <i>Asian Pacific Journal of Tropical Medicine</i> , 2015, 8, 185-190.	0.4	23
47	Discovery of new dual PPAR β -GPR40 agonists with robust antidiabetic activity: Design, synthesis and <i>in vivo</i> drug evaluation. <i>Biomedicine and Pharmacotherapy</i> , 2017, 90, 53-61.	2.5	23
48	Synthesis, <i>in vitro</i> and <i>in silico</i> studies of a PPAR β and GLUT-4 modulator with hypoglycemic effect. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 4575-4579.	1.0	22
49	Antidiabetic, antilipidemic and toxicity profile of ENV-2: A potent pyrazole derivative against diabetes and related diseases. <i>European Journal of Pharmacology</i> , 2017, 803, 159-166.	1.7	21
50	Resin Glycosides from the Roots of <i>Ipomoea tyrianthina</i> and Their Biological Activity#. <i>Journal of Natural Products</i> , 2007, 70, 557-562.	1.5	20
51	Validated liquid chromatographic method and analysis of content of tilianin on several extracts obtained from <i>Agastache mexicana</i> and its correlation with vasorelaxant effect. <i>Journal of Ethnopharmacology</i> , 2011, 138, 487-491.	2.0	20
52	Synthesis, <i>in vitro</i> and <i>in silico</i> screening of ethyl 2-(6-substituted) thiazol-2-ylacetate. <i>Journal of Medicinal Chemistry</i> , 2012, 53, 346-355.	2.6	20
53	Glycolipid ester-type heterodimers from <i>Ipomoea tyrianthina</i> and their pharmacological activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 4652-4656.	1.0	19
54	<i>In vitro</i> and <i>in silico</i> PTP-1B inhibition and <i>in vivo</i> antidiabetic activity of semisynthetic moronic acid derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 2018-2022.	1.0	19

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55	Evaluation of the neuroprotective activity of stansin 6, a resin glycoside from <i>Ipomoea stans</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 3541-3545.	1.0	18
56	Spasmolytic effect of <i>Mentha pulegium</i> L. involves ionic flux regulation in rat ileum strips. <i>Journal of Smooth Muscle Research</i> , 2010, 46, 107-117.	0.7	16
57	Tracheal relaxation through calcium channel blockade of <i>Achillea millefolium</i> hexanic extract and its main bioactive compounds. <i>Journal of Ethnopharmacology</i> , 2020, 253, 112643.	2.0	16
58	Vasorelaxant effect of <i>Valeriana edulis</i> ssp. <i>procera</i> (Valerianaceae) and its mode of action as calcium channel blocker. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 62, 1167-1174.	1.2	15
59	Resin glycosides from <i>Ipomoea tyrianthina</i> and their sedative and vasorelaxant effects. <i>Journal of Natural Medicines</i> , 2014, 68, 655-667.	1.1	15
60	Vasorelaxant Effect of Mexican Medicinal Plants on Isolated Rat Aorta. <i>Pharmaceutical Biology</i> , 2005, 43, 540-546.	1.3	14
61	Spasmolytic action of <i>Lepechinia caulescens</i> is through calcium channel blockade and NO release. <i>Journal of Ethnopharmacology</i> , 2007, 114, 364-370.	2.0	13
62	Tracheal relaxation of five medicinal plants used in Mexico for the treatment of several diseases. <i>Asian Pacific Journal of Tropical Medicine</i> , 2014, 7, 179-183.	0.4	13
63	Sedative, vasorelaxant, and cytotoxic effects of convolvulin from <i>Ipomoea tyrianthina</i> . <i>Journal of Ethnopharmacology</i> , 2011, 135, 434-439.	2.0	12
64	Metronidazole and Secnidazole Carbamates: Synthesis, Antiprotozoal Activity, and Molecular Dynamics Studies. <i>Molecules</i> , 2020, 25, 793.	1.7	12
65	Chemical constituents from <i>Flourensia resinosa</i> S.F. Blake (Asteraceae). <i>Biochemical Systematics and Ecology</i> , 2013, 51, 240-242.	0.6	11
66	High accumulation of tilianin in in-vitro cultures of <i>Agastache mexicana</i> and its potential vasorelaxant action. <i>Molecular Biology Reports</i> , 2019, 46, 1107-1115.	1.0	10
67	Antihypertensive and vasorelaxant effect of leucodin and achillin isolated from <i>Achillea millefolium</i> through calcium channel blockade and NO production: In vivo, functional ex vivo and in silico studies. <i>Journal of Ethnopharmacology</i> , 2021, 273, 113948.	2.0	10
68	QSAR Study on the Relaxant Agents from Some Mexican Medicinal Plants and Synthetic Related Organic Compounds. <i>Chemical Biology and Drug Design</i> , 2007, 70, 143-153.	1.5	9
69	Anxiolytic-like effects and toxicological studies of <i>Brickellia cavanillesii</i> (Cass.) A. Gray in experimental mice models. <i>Journal of Ethnopharmacology</i> , 2016, 192, 90-98.	2.0	9
70	Design, synthesis, in vitro, in vivo and in silico pharmacological characterization of antidiabetic N-Boc-L-tyrosine-based compounds. <i>Biomedicine and Pharmacotherapy</i> , 2018, 108, 670-678.	2.5	9
71	Design, Synthesis, Antihyperglycemic Studies, and Docking Simulations of Benzimidazole-Thiazolidinedione Hybrids. <i>Journal of Chemistry</i> , 2019, 2019, 1-8.	0.9	9
72	Antidiabetic effect of <i>Cordia morelosana</i> , chemical and pharmacological studies. <i>Journal of Ethnopharmacology</i> , 2020, 251, 112543.	2.0	9

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73	Insights on the vasorelaxant mode of action of malbrancheamide. <i>Journal of Pharmacy and Pharmacology</i> , 2015, 67, 551-558.	1.2	9
74	Micropropagation and vasorelaxant activity of <i>Laelia autumnalis</i> (Orchidaceae). <i>Natural Product Research</i> , 2010, 24, 106-114.	1.0	8
75	Antihypertensive and vasorelaxant mode of action of the ethanol-soluble extract from <i>Tagetes lucida</i> Cav. aerial parts and its main bioactive metabolites. <i>Journal of Ethnopharmacology</i> , 2021, 266, 113399.	2.0	8
76	Synthesis and In Vitro AMPK Activation of Cycloalkyl/Alkarylbiguanides with Robust In Vivo Antihyperglycemic Action. <i>Journal of Chemistry</i> , 2017, 2017, 1-8.	0.9	7
77	Analysis of Flavonoids Bioactivity for Cholestatic Liver Disease: Systematic Literature Search and Experimental Approaches. <i>Biomolecules</i> , 2019, 9, 102.	1.8	7
78	Synthesis, in vitro, in silico and in vivo hypoglycemic and lipid-lowering effects of 4-benzyloxy-5-benzylidene-1,3-thiazolidine-2,4-diones mediated by dual PPAR α/β modulation. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2022, 70, 128804.	1.0	7
79	2-(4-Methoxyphenyl)-1H-benzimidazole. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o2601-o2602.	0.2	6
80	Discovery of 2-(3,4-dichlorophenoxy)-N-(2-morpholin-4-ylethyl)acetamide: A selective β_1 receptor ligand with antinociceptive effect. <i>Biomedicine and Pharmacotherapy</i> , 2016, 79, 284-293.	2.5	5
81	Biopharmaceutical Characterization and Bioavailability Study of a Tetrazole Analog of Clofibrilic Acid in Rat. <i>Molecules</i> , 2017, 22, 282.	1.7	5
82	Functional mechanism of tracheal relaxation, antiasthmatic, and toxicological studies of 6-hydroxyflavone. <i>Drug Development Research</i> , 2019, 80, 218-229.	1.4	4
83	Synthesis, In Vitro, In Vivo and In Silico Antidiabetic Bioassays of 4-Nitro(thio)phenoxyisobutyric Acids Acting as Unexpected PPAR β Modulators: An In Combo Study. <i>Pharmaceuticals</i> , 2022, 15, 102.	1.7	4
84	2-Methyl-2-(4-nitrophenylsulfanyl)propanoic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o91-o91.	0.2	3
85	A simple method for the synthesis of 1,3-diaminopropan-2-ols derivatives and their ex vivo relaxant activity on isolated rat tracheal rings. <i>Medicinal Chemistry Research</i> , 2017, 26, 1325-1335.	1.1	3
86	Relaxant effect of structurally related flavonoids on isolated tracheal rat rings: a SAR study. <i>Medicinal Chemistry Research</i> , 2018, 27, 122-127.	1.1	3
87	Complete NMR assignment of 3, 4-seco-20(29)- β - <i>Decatropis bicolor</i> . <i>Magnetic Resonance in Chemistry</i> , 2012, 50, 329-331.	1.1	2
88	Design, Synthesis and ex vivo Study of the Vasorelaxant Activity Induced by Isosteric Derivatives of Dihydropyridines (NH $^+$ O). <i>Letters in Drug Design and Discovery</i> , 2016, 13, 353-359.	0.4	2
89	6-Amino-3-Methyl-4-(2-nitrophenyl)-1,4-Dihydropyrano[2,3-c]Pyrazole-5-Carbonitrile Shows Antihypertensive and Vasorelaxant Action via Calcium Channel Blockade. <i>Drug Research</i> , 2022, 72, 53-60.	0.7	2
90	PPAR α/β , adiponectin, and GLUT4 overexpression induced by moronic acid methyl ester influenced glucose and triglyceride levels of experimental diabetic mice. <i>Canadian Journal of Physiology and Pharmacology</i> , 2022, 100, 295-305.	0.7	2

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91	Antinociceptive and gastroprotective activities of <i>Bocconia arborea</i> S. Watson and its bioactive metabolite dihydrosanguinarine in murine models. <i>Journal of Ethnopharmacology</i> , 2022, 296, 115492.	2.0	2
92	2-(2-Methoxyphenyl)-1H-benzimidazole. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o4816-o4818.	0.2	1
93	Ethyl 2-[(2Z)-2-[(1-naphthylsulfonyl)imino]-2,3-dihydro-1,3-thiazol-4-yl]acetate monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o2744-o2744.	0.2	1
94	Acute and subacute antidiabetic studies of ENP-9, a new 1,5-diarylpyrazole derivative. <i>Journal of Pharmacy and Pharmacology</i> , 2018, 70, 1031-1039.	1.2	1
95	2-(2-Benzyloxyphenyl)-1H-benzimidazole. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o608-o608.	0.2	1
96	4-Methoxy-N-[6-methyl-2,3-dihydro-1,3-benzothiazol-2-ylidene]benzenesulfonamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o227-o227.	0.2	1
97	Enhancing the antidiabetic and antidyslipidemic activity of a 1,5-diarylpyrazole by solid dispersion pre-formulation. <i>Chemical Papers</i> , 2022, 76, 5551-5560.	1.0	1
98	2-(2-Ethoxyphenyl)-1H-benzimidazole monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, o4208-o4208.	0.2	0
99	Functional relaxant effect of 6,7-dipropoxy-2H-chromen-2-one is mainly by calcium channel blockade in ex vivo assay of tracheal rings. <i>Medicinal Chemistry Research</i> , 2019, 28, 1197-1204.	1.1	0
100	Crystal structure of 4-methyl-7-propoxy-2H-chromen-2-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, 451-453.	0.2	0
101	Mechanism of Relaxant Action of Ethyl 6-amino-5-cyano-2-methyl-4-(pyridin-4-yl)-4H-pyran-3-carboxylate Mainly Through Calcium Channel Blockade in Isolated Rat Trachea. <i>Journal of Applied Pharmaceutical Science</i> , 0, , 029-036.	0.7	0
102	Vasorelaxant and Antihypertensive Effects of (3 ¹)-ursen-12-en-3,28-diol by NO/cGMP System. <i>Letters in Drug Design and Discovery</i> , 2022, 19, .	0.4	0