Genzoh Tanabe

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6202223/publications.pdf

Version: 2024-02-01

61 papers	1,168 citations	471509 17 h-index	395702 33 g-index
63 all docs	63 docs citations	63 times ranked	770 citing authors

#	Article	IF	Citations
1	Absolute Stereostructure of Potent Î±-Glucosidase Inhibitor, Salacinol, with Unique Thiosugar Sulfonium Sulfate Inner Salt Structure from Salacia reticulata. Bioorganic and Medicinal Chemistry, 2002, 10, 1547-1554.	3.0	206
2	Salaprionol and Ponkoranol with Thiosugar Sulfonium Sulfate Structure from Salacia prinoides and a-Glucosidase Inhibitory Activity of Ponkoranol and Kotalanol Desulfate. Heterocycles, 2008, 75, 1397.	0.7	74
3	Isolation, structure identification and SAR studies on thiosugar sulfonium salts, neosalaprinol and neoponkoranol, as potent Î±-glucosidase inhibitors. Bioorganic and Medicinal Chemistry, 2011, 19, 2015-2022.	3.0	68
4	Biological evaluation of de-O-sulfonated analogs of salacinol, the role of sulfate anion in the side chain on the Î±-glucosidase inhibitory activity. Bioorganic and Medicinal Chemistry, 2007, 15, 3926-3937.	3.0	66
5	On the structure of the bioactive constituent from ayurvedic medicine Salacia reticulata: revision of the literature. Tetrahedron Letters, 2008, 49, 7315-7317.	1.4	61
6	Synthesis and biological evaluation of deoxy salacinols, the role of polar substituents in the side chain on the Î±-glucosidase inhibitory activity. Bioorganic and Medicinal Chemistry, 2006, 14, 500-509.	3.0	57
7	Facile synthesis of de-O-sulfated salacinols: Revision of the structure of neosalacinol, a potent Î±-glucosidase inhibitor. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 2195-2198.	2.2	45
8	Salacinol and Related Analogs: New Leads for Type 2 Diabetes Therapeutic Candidates from the Thai Traditional Natural Medicine Salacia chinensis. Nutrients, 2015, 7, 1480-1493.	4.1	40
9	Structural Basis of Proteinâ€“Protein Interactions between a trans-Acting Acyltransferase and Acyl Carrier Protein in Polyketide Disorazole Biosynthesis. Journal of the American Chemical Society, 2018, 140, 7970-7978.	13.7	40
10	Quantitative Determination of Alkaloids in Lotus Flower (Flower Buds of Nelumbo nucifera) and Their Melanogenesis Inhibitory Activity. Molecules, 2016, 21, 930.	3.8	37
11	Mangiferin, a novel nuclear factor kappa B-inducing kinase inhibitor, suppresses metastasis and tumor growth in a mouse metastatic melanoma model. Toxicology and Applied Pharmacology, 2016, 306, 105-112.	2.8	36
12	In silico design, synthesis and evaluation of 3â€²-O-benzylated analogs of salacinol, a potent Î±-glucosidase inhibitor isolated from an Ayurvedic traditional medicine â€œSalaciaâ€• Chemical Communications, 2012, 48, 8646.	4.1	29
13	Mangiferin induces apoptosis in multiple myeloma cell lines by suppressing the activation of nuclear factor kappa B-inducing kinase. Chemico-Biological Interactions, 2016, 251, 26-33.	4.0	29
14	Biological evaluation of 3â€²-O-alkylated analogs of salacinol, the role of hydrophobic alkyl group at 3â€² position in the side chain on the Î±-glucosidase inhibitory activity. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 3159-3162.	2.2	27
15	Synthesis of Azepines via a [6 + 1] Annulation of Ynenitriles with Reformatsky Reagents. Journal of Organic Chemistry, 2015, 80, 9480-9494.	3.2	22
16	Evaluation of Salacia Species as Anti-diabetic Natural Resources Based on Quantitative Analysis of Eight Sulphonium Constituents: A New Class of Î±-Glucosidase Inhibitors. Phytochemical Analysis, 2014, 25, 544-550.	2.4	21
17	Identification of <scp>ACA</scp>â€28, a 1â€²â€acetoxychavicol acetate analogue compound, as a novel modulator of <scp>ERK MAPK</scp> signaling, which preferentially kills human melanoma cells. Genes To Cells, 2017, 22, 608-618.	1.2	19
18	Diastereoselective Synthesis of Salacinol-Type Î±-Glucosidase Inhibitors. Journal of Organic Chemistry, 2018, 83, 185-193.	3.2	17

#	Article	IF	Citations
19	Design, synthesis and biological evaluation of 3â€²-benzylated analogs of 3â€²-epi-neoponkoranol as potent Î±-glucosidase inhibitors. European Journal of Medicinal Chemistry, 2016, 110, 224-236.	5.5	16
20	A review of antidiabetic active thiosugar sulfoniums, salacinol and neokotalanol, from plants of the genus Salacia. Journal of Natural Medicines, 2021, 75, 449-466.	2.3	16
21	Construction of 3,6-Anhydrohexosides via Intramolecular Cyclization of Triflates and Its Application to the Synthesis of Natural Product Isolated from Leaves of Sauropus rostratus. Organic Letters, 2014, 16, 5004-5007.	4.6	15
22	An Engineered Aryl Acid Adenylation Domain with an Enlarged Substrate Binding Pocket. Angewandte Chemie - International Edition, 2019, 58, 6906-6910.	13.8	15
23	Chemoproteomics profiling of surfactin-producing nonribosomal peptide synthetases in living bacterial cells. Cell Chemical Biology, 2022, 29, 145-156.e8.	5.2	14
24	Total Synthesis of 4,5-Didehydroguadiscine: A Potent Melanogenesis Inhibitor from the Brazilian Medicinal Herb, Hornschuchia obliqua. Journal of Natural Products, 2015, 78, 1536-1542.	3.0	13
25	Role of the side chain stereochemistry in the Î±-glucosidase inhibitory activity of kotalanol, a potent natural Î±-glucosidase inhibitor. Part 2. Bioorganic and Medicinal Chemistry, 2012, 20, 6321-6334.	3.0	12
26	Hydrophobic substituents increase the potency of salacinol, a potent Î±-glucosidase inhibitor from Ayurvedic traditional medicine â€˜Salaciaâ€™. Bioorganic and Medicinal Chemistry, 2016, 24, 3705-3715.	3.0	12
27	Practical Route to Neokotalanol and Its Natural Analogues: Sulfonium Sugars with Antidiabetic Activities. Angewandte Chemie - International Edition, 2019, 58, 6400-6404.	13.8	12
28	Total Synthesis of Î³-Alkylidenebutenolides, Potent Melanogenesis Inhibitors from Thai Medicinal Plant Melodorum fruticosum. Journal of Organic Chemistry, 2018, 83, 8250-8264.	3.2	11
29	Precise Probing of Residue Roles by NRPS Code Swapping: Mutation, Enzymatic Characterization, Modeling, and Substrate Promiscuity of Aryl Acid Adenylation Domains. Biochemistry, 2020, 59, 351-363.	2.5	10
30	Structureâ€“activity relationship studies on acremomannolipin A, the potent calcium signal modulator with a novel glycolipid structure 2: Role of the alditol side chain stereochemistry. Bioorganic and Medicinal Chemistry, 2014, 22, 945-959.	3.0	9
31	Highly Diastereoselective Route to Î±-Glucosidase Inhibitors, Neosalacinol and Neoponkoranol. Journal of Organic Chemistry, 2016, 81, 3407-3415.	3.2	9
32	Design, Synthesis and Biological Evaluation of Nitrate Derivatives of Sauropunol A and B as Potent Vasodilatory Agents. Molecules, 2019, 24, 583.	3.8	9
33	Total synthesis of neokotalanol, a potent Î±-glucosidase inhibitor isolated from Salacia reticulata. Chinese Journal of Natural Medicines, 2013, 11, 676-683.	1.3	7
34	Total synthesis, structural elucidation and anti-inflammatory activity evaluation of 2-deoxy-3,6-anhydro hexofuranoside derivatives isolated from Sauropus rostratus. Organic and Biomolecular Chemistry, 2016, 14, 10906-10913.	2.8	7
35	Mutational Biosynthesis of Hitachimycin Analogs Controlled by the Î²-Amino Acidâ€“Selective Adenylation Enzyme HitB. ACS Chemical Biology, 2021, 16, 539-547.	3.4	7
36	The first isolation and characterization of sulfonylbuta-1,3-diynes. Journal of the Chemical Society, Perkin Transactions 1, 2002, , 1413-1416.	1.3	6

#	Article	IF	Citations
37	Visualizing the Adenylation Activities and Proteinâ€“Protein Interactions of Aryl Acid Adenylating Enzymes. ChemBioChem, 2017, 18, 2199-2204.	2.6	6
38	First Total Syntheses of Amorfrutin C and pseudoâ€Amorfrutin A. European Journal of Organic Chemistry, 2018, 2018, 1443-1448.	2.4	6
39	Discovery of new benzhydrol biscarbonate esters as potent and selective apoptosis inducers of human melanomas bearing the activated ERK pathway: SAR studies on an ERK MAPK signaling modulator, ACA-28. Bioorganic Chemistry, 2020, 103, 104137.	4.1	6
40	Furan-2(3H)- and -2(5H)-ones. Part 6. Di-Ï€-methane rearrangement of the Î±-substituted 4-benzylfuran-2(5H)-one system. Journal of the Chemical Society Perkin Transactions 1, 1995, , 1437-1443.	0.9	5
41	ACAGT-007a, an ERK MAPK Signaling Modulator, in Combination with AKT Signaling Inhibition Induces Apoptosis in KRAS Mutant Pancreatic Cancer T3M4 and MIA-Pa-Ca-2 Cells. Cells, 2022, 11, 702.	4.1	5
42	Practical Synthesis of Neoponkoranol and its Related Sulfonium Salt, an Optimised Protocol using Isopropylidene as an Effective Protecting Group. Journal of Chemical Research, 2013, 37, 715-719.	1.3	4
43	Chemical Strategies for Visualizing and Analyzing Endogenous Nonribosomal Peptide Synthetase (NRPS) Megasynthetases. ChemBioChem, 2019, 20, 2032-2040.	2.6	4
44	Facile Synthesis of Neokotalanol, a Potent Î±-glycosidase Inhibitor Isolated from the Ayurvedic Traditional Medicine â€œSalaciaâ€• ACS Omega, 2019, 4, 7533-7542.	3.5	4
45	Downâ€regulation of dualâ€specificity phosphatase 6, a negative regulator of oncogenic ERK signaling, by ACAâ€28 induces apoptosis in NIH/3T3 cells overexpressing HER2/ErbB2. Genes To Cells, 2021, 26, 109-116.	1.2	4
46	Elongation of the side chain by linear alkyl groups increases the potency of salacinol, a potent Î±-glucosidase inhibitor from the Ayurvedic traditional medicine â€œSalacia,â€•against human intestinal maltase. Bioorganic and Medicinal Chemistry Letters, 2021, 33, 127751.	2.2	4
47	Developing crosslinkers specific for epimerization domain in NRPS initiation modules to evaluate mechanism. RSC Chemical Biology, 2022, 3, 312-319.	4.1	4
48	Structureâ€“activity relationship studies on acremomannolipin A, the potent calcium signal modulator with a novel glycolipid structure 3: Role of the length of alditol side chain. Bioorganic and Medicinal Chemistry, 2015, 23, 3761-3773.	3.0	3
49	Unprecedented nucleophile-promoted 1,7-S or Se shift reactions under Pummerer reaction conditions of 4-alkenyl-3-sulfinylmethylpyrroles. Beilstein Journal of Organic Chemistry, 2018, 14, 2722-2729.	2.2	3
50	Probing the Compatibility of an Enzymeâ€Linked Immunosorbent Assay toward the Reprogramming of Nonribosomal Peptide Synthetase Adenylation Domains. ChemBioChem, 2020, 21, 3056-3061.	2.6	3
51	Ligand compatibility of salacinol-type Î±-glucosidase inhibitors toward the GH31 family. RSC Advances, 2021, 11, 3221-3225.	3.6	3
52	Inhibition of efflux pumps aids small-molecule probe-based fluorescence labeling and imaging in the Gram-negative bacterium Escherichia coli. Organic and Biomolecular Chemistry, 2021, 19, 8906-8911.	2.8	3
53	A Chemoproteomics Approach to Investigate Phosphopantetheine Transferase Activity at the Cellular Level. ChemBioChem, 2017, 18, 1855-1862.	2.6	2
54	Activity-Based Protein Profiling of Non-ribosomal Peptide Synthetases. Current Topics in Microbiology and Immunology, 2018, 420, 321-349.	1.1	2

#	Article	IF	Citations
55	Practical Route to Neokotalanol and Its Natural Analogues: Sulfonium Sugars with Antidiabetic Activities. Angewandte Chemie, 2019, 131, 6466-6470.	2.0	1
56	Divergent Synthesis of Decahydroquinolineâ€Type Poisonâ€Frog Alkaloids. ChemistrySelect, 2022, 7, .	1.5	1
57	Activity-based protein profiling of a surfactin-producing nonribosomal peptide synthetase in Bacillus subtilis. STAR Protocols, 2022, 3, 101462.	1.2	1
58	Structureâ€“activity relationship studies on acremomannolipin A, the potent calcium signal modulator with a novel glycolipid structure 4: Role of acyl side chains on d-mannose. European Journal of Medicinal Chemistry, 2016, 121, 250-271.	5.5	0
59	Expanding the Scope of Functionalized Small Nonprotein Components for Holoabzyme 27C1. ChemistrySelect, 2018, 3, 9313-9317.	1.5	0
60	An Engineered Aryl Acid Adenylation Domain with an Enlarged Substrate Binding Pocket. Angewandte Chemie, 2019, 131, 6980-6984.	2.0	0
61	Activity, Binding, and Modeling Studies of a Reprogrammed Aryl Acid Adenylation Domain with an Enlarged Substrate Binding Pocket. Chemical and Pharmaceutical Bulletin, 2021, 69, 222-225.	1.3	0