

Total Synthesis and Biological Evaluation of (+)- and (âˆˆ) BE-43472B and Related Compounds

Journal of the American Chemical Society

131, 14812-14826

DOI: 10.1021/ja9073694

Citation Report

#	ARTICLE	IF	CITATIONS
2	On photochemical transformations of steroids. <i>Pure and Applied Chemistry</i> , 1970, 21, 247-262.	0.9	23
3	Novel Anti-Infective Compounds from Marine Bacteria. <i>Marine Drugs</i> , 2010, 8, 498-518.	2.2	116
4	Antibacterials from the Sea. <i>Chemistry - A European Journal</i> , 2010, 16, 12512-12525.	1.7	130
5	Asymmetric Synthesis of β -Hydroxy α -Enones by 1,8-Diazabicyclo[5.4.0]undec-7-ene-Catalyzed Stereoselective Rearrangement of Chiral α -Sulfinyl Enones. <i>Organic Letters</i> , 2010, 12, 3882-3885.	2.4	20
6	Organische Chemie 2009. <i>Nachrichten Aus Der Chemie</i> , 2010, 58, 267-299.	0.0	1
7	Origins of Regioselectivity of Diels-Alder Reactions for the Synthesis of Bisanthraquinone Antibiotic BE-43472B. <i>Journal of Organic Chemistry</i> , 2010, 75, 922-928.	1.7	18
8	Indium(III)-Catalyzed Hydrative Cyclization of 1,7-Diynyl Ethers. <i>Organic Letters</i> , 2011, 13, 4280-4283.	2.4	16
9	A Convergent Total Synthesis of (\pm) - β -Rubromycin. <i>Journal of the American Chemical Society</i> , 2011, 133, 6114-6117.	6.6	69
10	Marine natural products. <i>Natural Product Reports</i> , 2011, 28, 196-268.	5.2	444
11	Design, Synthesis and Structure of Novel <i>para</i> -Quinones and their Antibacterial Activity. <i>Chemical Biology and Drug Design</i> , 2011, 78, 787-799.	1.5	4
12	High-Yielding Oxidation of β -Hydroxyketones to α -Diketones Using <i>ortho</i> -Iodoxybenzoic Acid. <i>Journal of Organic Chemistry</i> , 2011, 76, 9852-9855.	1.7	57
13	Colour-responsive fluorescent oxy radical sensors. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 1775.	1.5	8
14	2.5 General Principles of Diastereoselective Reactions: Diastereoselective Domino Reactions. , 2012, , 97-121.		6
15	Constructing molecular complexity and diversity: total synthesis of natural products of biological and medicinal importance. <i>Chemical Society Reviews</i> , 2012, 41, 5185.	18.7	199
16	Total Synthesis of the Antibiotic BE-43472B. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6658-6661.	7.2	33
18	New Synthetic Antibiotics for the Treatment of Enterococcus and Campylobacter Infection. <i>Current Topics in Medicinal Chemistry</i> , 2013, 14, 21-39.	1.0	5
19	Naphthoquinone Diels-Alder Reactions: Approaches to the ABC Ring System of Beticolin. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 2150-2159.	1.2	8
20	Total Synthesis of Trioxacarcin DC-45A2. <i>Angewandte Chemie</i> , 2015, 127, 3117-3121.	1.6	6

#	ARTICLE	IF	CITATIONS
21	Total Synthesis of Trioxacarcin DCâ€“45â€“A2. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 3074-3078.	7.2	23
22	Recent Advances in the Chemistry and Biology of Natural Dimeric Quinones. <i>Studies in Natural Products Chemistry</i> , 2015, 46, 447-517.	0.8	6
23	Isolation, biological activity, biosynthesis and synthetic studies towards the rubromycin family of natural products. <i>Natural Product Reports</i> , 2015, 32, 811-840.	5.2	54
24	Ruthenium(0) Catalyzed Endiynâ€“Ketol [4 + 2] Cycloaddition: Convergent Assembly of Type II Polyketide Substructures via Câ€“C Bond Forming Transfer Hydrogenation. <i>Journal of the American Chemical Society</i> , 2015, 137, 5883-5886.	6.6	30
25	Regiodefined synthesis of brominated hydroxyanthraquinones related to proisocrinins. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 531-536.	1.3	6
26	Ruthenium(0)-Catalyzed [4+2] Cycloaddition of Acetylenic Aldehydes with Î±-Ketols: Convergent Construction of Angucycline Ring Systems. <i>Angewandte Chemie</i> , 2016, 128, 1515-1519.	1.6	14
27	Use of Bromine and Bromo-Organic Compounds in Organic Synthesis. <i>Chemical Reviews</i> , 2016, 116, 6837-7042.	23.0	365
28	Transpositive Tandem Annulation of Phthalides with Allene Carboxylates: Regioselective Synthesis of Arylnaphthalene Lignans. <i>Journal of Organic Chemistry</i> , 2016, 81, 11857-11865.	1.7	14
29	Ruthenium(0)-Catalyzed [4+2] Cycloaddition of Acetylenic Aldehydes with Î±-Ketols: Convergent Construction of Angucycline Ring Systems. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1493-1497.	7.2	41
30	Mg ^{II} -Mediated Catalytic Asymmetric Dearomatization (CADA) Reaction of Î²-Naphthols with Dialkyl Acetylenedicarboxylates. <i>Chemistry - A European Journal</i> , 2016, 22, 8483-8487.	1.7	40
31	Asymmetric Dearomatizative Dielsâ€“Alder Reaction for the Construction of Hydrodibenzo[<i>b</i> , <i>d</i>]furan Frameworks with Tetrasubstituted Stereogenic Centers. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 1018-1027.	2.1	41
32	Role of the Nozakiâ€“Hiyamaâ€“Takaiâ€“Kishi Reaction in the Synthesis of Natural Products. <i>Chemical Reviews</i> , 2017, 117, 8420-8446.	23.0	136
33	The Evolution and Impact of Total Synthesis on Chemistry, Biology and Medicine. <i>Israel Journal of Chemistry</i> , 2017, 57, 179-191.	1.0	5
34	Streamlined Total Synthesis of Trioxacarcins and Its Application to the Design, Synthesis, and Biological Evaluation of Analogues Thereof. Discovery of Simpler Designed and Potent Trioxacarcin Analogues. <i>Journal of the American Chemical Society</i> , 2017, 139, 15467-15478.	6.6	14
35	A brief history of antibiotics and select advances in their synthesis. <i>Journal of Antibiotics</i> , 2018, 71, 153-184.	1.0	121
36	Recent applications of Stille reaction in total synthesis of natural products: An update. <i>Journal of Organometallic Chemistry</i> , 2018, 869, 106-200.	0.8	56
38	Enantioselective Ruthenium-Catalyzed Benzocyclobutenoneâ€“Ketol Cycloaddition: Merging Câ€“C Bond Activation and Transfer Hydrogenative Coupling for Type II Polyketide Construction. <i>Journal of the American Chemical Society</i> , 2018, 140, 9091-9094.	6.6	38
39	Recent advances in the application of Dielsâ€“Alder reactions involving <i>o</i> -quinodimethanes, aza- <i>o</i> -quinone methides and <i>o</i> -quinone methides in natural product total synthesis. <i>Chemical Society Reviews</i> , 2018, 47, 7926-7953.	18.7	312

#	ARTICLE	IF	CITATIONS
40	Bioinspired Total Synthesis of Delitschiapyrone A. <i>Organic Letters</i> , 2018, 20, 4645-4648.	2.4	12
41	Studies toward the Total Synthesis of Nogalamycin: Construction of the Complete ABCDEF-Ring System via a Convergent Hauser Annulation. <i>Journal of Organic Chemistry</i> , 2019, 84, 760-768.	1.7	12
42	The journey of total synthesis toward nannocystin Ax. <i>Tetrahedron</i> , 2019, 75, 1781-1794.	1.0	7
43	The α,β -Dihalocarbonyl Building Blocks: An Avenue for New Reaction Development in Organic Synthesis. <i>Chemistry - A European Journal</i> , 2020, 26, 7145-7175.	1.7	32
44	Total Synthesis of Nominal ent-Chlorabietol B. <i>Journal of Organic Chemistry</i> , 2020, 85, 5724-5732.	1.7	1
45	Applications of Diels-Alder cycloaddition reaction in total synthesis of alkaloids. , 2021, , 11-58.		0
46	Total Synthesis Endeavors and Their Contributions to Science and Society:A Personal Account. <i>CCS Chemistry</i> , 0, , 3-37.	4.6	34
47	Recent total syntheses of anthraquinone-based natural products. <i>Tetrahedron</i> , 2022, 105, 132501.	1.0	9
48	Synthetic Strategy toward Dearomatized Polycyclic Polyketide Natural Products. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 2019, 77, 13-25.	0.0	0
49	DBU-promoted synthesis of novel heterocyclic [4.3.3] propellanes from α -cyanoketones and cyclic α -diketones. <i>Tetrahedron Letters</i> , 2022, 98, 153815.	0.7	2