

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

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Citation Report

#	ARTICLE	IF	CITATIONS
2	On photochemical transformations of steroids. Pure and Applied Chemistry, 1970, 21, 247-262.	1.9	23
3	Novel Anti-Infective Compounds from Marine Bacteria. Marine Drugs, 2010, 8, 498-518.	4.6	116
4	Antibacterials from the Sea. Chemistry - A European Journal, 2010, 16, 12512-12525.	3.3	130
5	Asymmetric Synthesis of $\beta$ -Hydroxy $\alpha$ -Enones by 1,8-Diazabicyclo[5.4.0]undec-7-ene-Catalyzed Stereoselective Rearrangement of Chiral $\alpha$ -Sulfinyl Enones. Organic Letters, 2010, 12, 3882-3885.	4.6	20
6	Organische Chemie 2009. Nachrichten Aus Der Chemie, 2010, 58, 267-299.	0.0	1
7	Origins of Regioselectivity of Diels-Alder Reactions for the Synthesis of Bisanthraquinone Antibiotic BE-43472B. Journal of Organic Chemistry, 2010, 75, 922-928.	3.2	18
8	Indium(III)-Catalyzed Hydrative Cyclization of 1,7-Diynyl Ethers. Organic Letters, 2011, 13, 4280-4283.	4.6	16
9	A Convergent Total Synthesis of ( $\pm$ )- $\beta$ -Rubromycin. Journal of the American Chemical Society, 2011, 133, 6114-6117.	13.7	69
10	Marine natural products. Natural Product Reports, 2011, 28, 196-268.	10.3	444
11	Design, Synthesis and Structure of Novel <i>para</i> -Quinones and their Antibacterial Activity. Chemical Biology and Drug Design, 2011, 78, 787-799.	3.2	4
12	High-Yielding Oxidation of $\beta$ -Hydroxyketones to $\alpha$ -Diketones Using <i>o</i> -Iodoxybenzoic Acid. Journal of Organic Chemistry, 2011, 76, 9852-9855.	3.2	57
13	Colour-responsive fluorescent oxy radical sensors. Organic and Biomolecular Chemistry, 2012, 10, 1775.	2.8	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. Chemical Society Reviews, 2012, 41, 5185.	38.1	199
16	Total Synthesis of the Antibiotic BE-43472B. Angewandte Chemie - International Edition, 2013, 52, 6658-6661.	13.8	33
18	New Synthetic Antibiotics for the Treatment of Enterococcus and Campylobacter Infection. Current Topics in Medicinal Chemistry, 2013, 14, 21-39.	2.1	5
19	Naphthoquinone Diels-Alder Reactions: Approaches to the ABC Ring System of Beticolin. European Journal of Organic Chemistry, 2014, 2014, 2150-2159.	2.4	8
20	Total Synthesis of Trioxacarcin DC-45A2. Angewandte Chemie, 2015, 127, 3117-3121.	2.0	6

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21	Total Synthesis of Trioxacarcin DCâ€“45â€“A2. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 3074-3078.	13.8	23
22	Recent Advances in the Chemistry and Biology of Natural Dimeric Quinones. <i>Studies in Natural Products Chemistry</i> , 2015, 46, 447-517.	1.8	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.	10.3	54
24	Ruthenium(0) Catalyzed Endiyeâ€“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.	13.7	30
25	Regiodefined synthesis of brominated hydroxyanthraquinones related to proisocrinins. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 531-536.	2.2	6
26	Ruthenium(0)â€“Catalyzed [4+2] Cycloaddition of Acetylenic Aldehydes with Î±â€“Ketols: Convergent Construction of Angucycline Ring Systems. <i>Angewandte Chemie</i> , 2016, 128, 1515-1519.	2.0	14
27	Use of Bromine and Bromo-Organic Compounds in Organic Synthesis. <i>Chemical Reviews</i> , 2016, 116, 6837-7042.	47.7	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.	3.2	14
29	Ruthenium(0)â€“Catalyzed [4+2] Cycloaddition of Acetylenic Aldehydes with Î±â€“Ketols: Convergent Construction of Angucycline Ring Systems. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1493-1497.	13.8	41
30	Mg <sup>II</sup> â€“Mediated Catalytic Asymmetric Dearomatization (CADA) Reaction of Î²â€“Naphthols with Dialkyl Acetylenedicarboxylates. <i>Chemistry - A European Journal</i> , 2016, 22, 8483-8487.	3.3	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.	4.3	41
32	Role of the Nozakiâ€“Hiyamaâ€“Takaiâ€“Kishi Reaction in the Synthesis of Natural Products. <i>Chemical Reviews</i> , 2017, 117, 8420-8446.	47.7	136
33	The Evolution and Impact of Total Synthesis on Chemistry, Biology and Medicine. <i>Israel Journal of Chemistry</i> , 2017, 57, 179-191.	2.3	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.	13.7	14
35	A brief history of antibiotics and select advances in their synthesis. <i>Journal of Antibiotics</i> , 2018, 71, 153-184.	2.0	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.	1.8	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.	13.7	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.	38.1	312

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41	Studies toward the Total Synthesis of Nogalamycin: Construction of the Complete ABCDEF-Ring System via a Convergent Hauser Annulation. Journal of Organic Chemistry, 2019, 84, 760-768.	3.2	12
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43	The $\alpha,\alpha$ -Dihalocarbonyl Building Blocks: An Avenue for New Reaction Development in Organic Synthesis. Chemistry - A European Journal, 2020, 26, 7145-7175.	3.3	32
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47	Recent total syntheses of anthraquinone-based natural products. Tetrahedron, 2022, 105, 132501.	1.9	9
48	Synthetic Strategy toward Dearomatized Polycyclic Polyketide Natural Products. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2019, 77, 13-25.	0.1	0
49	DBU-promoted synthesis of novel heterocyclic [4.3.3] propellanes from $\alpha$ -cyanoketones and cyclic $\alpha$ -diketones. Tetrahedron Letters, 2022, 98, 153815.	1.4	2