

Host-Mediated Bioactivation of Pyrazinamide: Implications for Therapeutic Alternatives

ACS Infectious Diseases

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Antiinfectives targeting enzymes and the proton motive force. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E7073-82.	3.3	138
2	The association between sterilizing activity and drug distribution into tuberculosis lesions. Nature Medicine, 2015, 21, 1223-1227.	15.2	387
3	Xanthine Oxidoreductase in Drug Metabolism: Beyond a Role as a Detoxifying Enzyme. Current Medicinal Chemistry, 2016, 23, 4027-4036.	1.2	73
4	Fragment-Based Whole Cell Screen Delivers Hits against <i>M. tuberculosis</i> and Non-tuberculous Mycobacteria. Frontiers in Microbiology, 2016, 7, 1392.	1.5	20
5	Pyrazinamide Resistance Is Caused by Two Distinct Mechanisms: Prevention of Coenzyme A Depletion and Loss of Virulence Factor Synthesis. ACS Infectious Diseases, 2016, 2, 616-626.	1.8	83
6	High Systemic Exposure of Pyrazinoic Acid Has Limited Antituberculosis Activity in Murine and Rabbit Models of Tuberculosis. Antimicrobial Agents and Chemotherapy, 2016, 60, 4197-4205.	1.4	21
7	Inhaled Pyrazinoic Acid Esters for the Treatment of Tuberculosis. Pharmaceutical Research, 2016, 33, 2495-2505.	1.7	10
8	Bedaquiline and Pyrazinamide Treatment Responses Are Affected by Pulmonary Lesion Heterogeneity in <i>Mycobacterium tuberculosis</i> Infected C3HeB/FeJ Mice. ACS Infectious Diseases, 2016, 2, 251-267.	1.8	111
9	Selective Inactivity of Pyrazinamide against Tuberculosis in C3HeB/FeJ Mice Is Best Explained by Neutral pH of Caseum. Antimicrobial Agents and Chemotherapy, 2016, 60, 735-743.	1.4	62
10	Global Urine Metabolomics in Patients Treated with First-Line Tuberculosis Drugs and Identification of a Novel Metabolite of Ethambutol. Antimicrobial Agents and Chemotherapy, 2016, 60, 2257-2264.	1.4	21
11	Mycobacterial Protein Tyrosine Phosphatases A and B Inhibitors Augment the Bactericidal Activity of the Standard Anti-tuberculosis Regimen. ACS Infectious Diseases, 2016, 2, 231-239.	1.8	37
12	Pyrazinamide resistance in <i>Mycobacterium tuberculosis</i> : Review and update. Advances in Medical Sciences, 2016, 61, 63-71.	0.9	79
13	Drug regimens identified and optimized by output-driven platform markedly reduce tuberculosis treatment time. Nature Communications, 2017, 8, 14183.	5.8	53
14	In Vivo-Selected Pyrazinoic Acid-Resistant <i>Mycobacterium tuberculosis</i> Strains Harbor Missense Mutations in the Aspartate Decarboxylase PanD and the Unfoldase ClpC1. ACS Infectious Diseases, 2017, 3, 492-501.	1.8	33
15	QSAR based therapeutic management of <i>M. tuberculosis</i> . Archives of Pharmacal Research, 2017, 40, 676-694.	2.7	13
16	A review of computational and mathematical modeling contributions to our understanding of <i>Mycobacterium tuberculosis</i> within-host infection and treatment. Current Opinion in Systems Biology, 2017, 3, 170-185.	1.3	61
17	Pyrazinoic Acid Inhibits Mycobacterial Coenzyme A Biosynthesis by Binding to Aspartate Decarboxylase PanD. ACS Infectious Diseases, 2017, 3, 807-819.	1.8	52
18	Update of Antitubercular Prodrugs from a Molecular Perspective: Mechanisms of Action, Bioactivation Pathways, and Associated Resistance. ChemMedChem, 2017, 12, 1657-1676.	1.6	26

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19	A comprehensive characterization of PncA polymorphisms that confer resistance to pyrazinamide. Nature Communications, 2017, 8, 588.	5.8	87
20	Anti-tubercular Activity of Pyrazinamide is Independent of trans-Translation and RpsA. Scientific Reports, 2017, 7, 6135.	1.6	48
21	Coadministration of Allopurinol To Increase Antimycobacterial Efficacy of Pyrazinamide as Evaluated in a Whole-Blood Bactericidal Activity Model. Antimicrobial Agents and Chemotherapy, 2017, 61, .	1.4	14
22	Drug Design: Principles and Applications. , 2017, , .		5
23	Strategies for Tackling Drug Resistance in Tuberculosis. , 2017, , 89-112.		1
24	Preclinical Efficacy Testing of New Drug Candidates. Microbiology Spectrum, 2017, 5, .	1.2	49
25	Long-Chain Fatty Acyl Coenzyme A Ligase FadD2 Mediates Intrinsic Pyrazinamide Resistance in Mycobacterium tuberculosis. Antimicrobial Agents and Chemotherapy, 2017, 61, .	1.4	19
26	Missense Mutations in the Unfoldase ClpC1 of the Caseinolytic Protease Complex Are Associated with Pyrazinamide Resistance in Mycobacterium tuberculosis. Antimicrobial Agents and Chemotherapy, 2017, 61, .	1.4	31
27	New prodrugs against tuberculosis. Drug Discovery Today, 2017, 22, 519-525.	3.2	35
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32	Efficacy of pyrazinoic acid dry powder aerosols in resolving necrotic and non-necrotic granulomas in a guinea pig model of tuberculosis. PLoS ONE, 2018, 13, e0204495.	1.1	9
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34	Risk factors for extrapulmonary dissemination of tuberculosis and associated mortality during treatment for extrapulmonary tuberculosis. Emerging Microbes and Infections, 2018, 7, 1-14.	3.0	82
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38	Pharmacokinetics of pyrazinamide during the initial phase of tuberculous meningitis treatment. <i>International Journal of Antimicrobial Agents</i> , 2019, 54, 371-374.	1.1	6
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40	<i>Galleria mellonella</i> : An Infection Model for Screening Compounds Against the Mycobacterium tuberculosis Complex. <i>Frontiers in Microbiology</i> , 2019, 10, 2630.	1.5	20
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43	Impact of Target-Based Drug Design in Anti-bacterial Drug Discovery for the Treatment of Tuberculosis. <i>Challenges and Advances in Computational Chemistry and Physics</i> , 2019, , 307-346.	0.6	3
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49	Consideration of Metal Organic Frameworks for Respiratory Delivery. <i>KONA Powder and Particle Journal</i> , 2021, 38, 136-154.	0.9	3
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53	The Tuberculosis Drug Accelerator at year 10: what have we learned?. <i>Nature Medicine</i> , 2021, 27, 1333-1337.	15.2	32
54	The biodistribution of 5-[18F]fluoropyrazinamide in Mycobacterium tuberculosis-infected mice determined by positron emission tomography. <i>PLoS ONE</i> , 2017, 12, e0170871.	1.1	16
55	Pyrazinamide clearance is impaired among HIV/tuberculosis patients with high levels of systemic immune activation. <i>PLoS ONE</i> , 2017, 12, e0187624.	1.1	12

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66	Antibioticâ€Derived Radiotracers for Positron Emission Tomography: Nuclear or â€œUnclearâ€•Infection Imaging?. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	0
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