

Omadacycline (PTK 0796) Publications/Posters/Oral Presentations

Publications				
Date	Journal	Citation	First Author	Title
May, 2017	Antimicrob. Agents and Chemother.	61:e02434-16	Steenbergen	In Vitro and In Vivo Activity of Omadacycline Against Two Biothreat Pathogens: Bacillus anthracis and Yersinia pestis
May, 2017	Antimicrob. Agents and Chemother.	61:e02368-16	Lepak	In vivo Pharmacodynamic Evaluation of Omadacycline (PTK 0796) against Streptococcus pneumoniae in the Murine Pneumonia Model
May, 2017	Antimicrob. Agents and Chemother.	61:e00018-17	Pfaller	Surveillance of Omadacycline Activity against Clinical Isolates from a Global Collection (North America, Europe, Latin America, Asia-Western Pacific), 2010-2011
May, 2017	Xenobiotica	47:8, 682-696	Flarakos	Clinical disposition, metabolism and in vitro drug–drug interaction properties of omadacycline
March, 2017	Antimicrob. Agents and Chemother.	61: e02411-16	Pfaller	Activity of Omadacycline and Comparator Agents When Tested against Staphylococcus aureus from a Surveillance Program Conducted in North America and Europe
March, 2017	J. Clin. Pharmacol.	57(3): 321-327	Tzanis	Effect of Food on the Bioavailability of Omadacycline in Healthy Subjects
Jan, 2017	Antimicrob. Agents and Chemother.	61: e01784-16	Lin	Pharmacokinetics, Distribution, Metabolism, and Excretion of Omadacycline Following a Single Intravenous or Oral Dose of ¹⁴C-omadacycline in Rats
Dec, 2016	Bioorg. Med. Chem.	24(2016): 6409-6419	Tanaka	Discovery, pharmacology, and clinical profile of omadacycline, a novel aminomethylcycline antibiotic
Dec, 2016	Antimicrob. Agents and Chemother.	60(12): 7431-7435	Sun	A Randomized, Open-label Study of the Pharmacokinetics and Safety of Oral and Intravenous Administration of Omadacycline to Healthy Subjects
Dec, 2016	Antimicrob. Agents and Chemother.	60(12): 7502-7504	Waites	In Vitro Activities of Omadacycline (PTK 0796) and Other Antimicrobial Agents Against Human Mycoplasmas and Ureaplasmas
Oct, 2016	Future Microbiol.	11(11): 1421-1434	Villano	Omadacycline: development of a novel aminomethylcycline antibiotic for treating drug-resistant bacterial infections

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Date	Journal	Citation	First Author	Title
Sept, 2016	Antibiotics	5: 32	Heidrich	The Novel Aminomethylcycline Omadacycline Has High Specificity for the Primary Tetracycline-Binding Site on the Bacterial Ribosome
Sept, 2016	Antimicrob. Agents and Chemother.	60(9): 5247-5253	Tanaka	In Vitro and In Vivo Assessment of Cardiovascular Effects with Omadacycline
Nov, 2015	Antimicrob. Agents and Chemother.	59(11): 7044-7053	Honeyman	Structure-Activity Relationship of the Aminomethylcyclines and the Discovery of Omadacycline
March, 2014	Antimicrob. Agents and Chemother.	58(3): 1279–1283	Draper	Mechanism of Action of the Novel Aminomethylcycline Antibiotic Omadacycline
Feb, 2014	Antimicrob. Agents and Chemother.	58(2): 1127-1135	Macone	In Vitro and In Vivo Antibacterial Activities of Omadacycline, a Novel Aminomethylcycline
Nov, 2012	Antimicrob. Agents and Chemother.	56(11): 5650-5654	Noel	A Randomized, Evaluator-Blind, Phase 2 Study Comparing the Safety and Efficacy of Omadacycline to Those of Linezolid for Treatment of Complicated Skin and Skin Structure Infections

Posters and Oral Presentations				
Date	Conference	Presentation number	First Author	Title
June 1-5, 2017	ASM Microbe	FRIDAY-239	LaPensee	Characteristics of Hospitalized Patients with ABSSSI Treated with Vancomycin at Greatest Risk for Prolonged Hospital Length of Stay in an Integrated Delivery Network (IDN)
June 1-5, 2017	ASM Microbe	FRIDAY-240	LaPensee	Patient Populations at Greatest Risk for Hospital Readmission or Repeat Emergency Department Visit within 30 Days of Hospital Discharge among Hospitalized Patients with Acute Bacterial Skin and Skin Structure Infections (ABSSSIs) Treated with Vancomycin
June 1-5, 2017	ASM Microbe	SATURDAY-45	Huband	In Vitro Antibacterial Activity of Omadacycline and Comparators against Key Respiratory, Skin and Skin Structure and Urinary Tract Pathogens Collected from the United States and Europe During the 2016 SENTRY Worldwide Surveillance Program

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Date	Conference	Presentation number	First Author	Title
June 1-5, 2017	ASM Microbe	SATURDAY-46	Zhanel	In Vitro Antimicrobial Activity of Omadacycline, a New Aminomethylcycline, against Gram-Positive and Gram-Negative Bacterial Pathogens Isolated from Patients Attending Canadian Hospitals in 2015: The CANWARD Study
June 1-5, 2017	ASM Microbe	SATURDAY-197	LaPensee	Patient Populations at Greatest Risk for Hospital Readmission or Repeat ED Visit within 30 Days of Hospital Discharge among Hospitalized Patients with Community-Acquired Pneumonia (CABP)
June 1-5, 2017	ASM Microbe	SUNDAY-200	Overcash	Pharmacokinetics and Safety of Omadacycline in Patients with Uncomplicated Urinary Tract Infections
June 1-5, 2017	ASM Microbe	SUNDAY-201	Berg	Pharmacokinetics and Safety of the Aminomethylcycline Antibiotic Omadacycline in Subjects with Impaired Renal Function
June 1-5, 2017	ASM Microbe	SUNDAY-202	Bundrant	Safety and Pharmacokinetic Assessments of the Antibiotic Omadacycline Administered to Healthy Subjects in Oral Multiple Dose Regimens
June 1-5, 2017	ASM Microbe	SUNDAY-261	Moura	Effects of Omadacycline vs Moxifloxacin on Gut Microbiota Populations and Clostridium difficile Germination, Proliferation and Toxin Production in an In Vitro Model of the Human Gut
June 1-5, 2017	ASM Microbe	SUNDAY-331	Holliday	A Multi-Site Study Comparing a Commercially Prepared Dried MIC Susceptibility System to the CLSI Broth Microdilution Method for Omadacycline Using Non-Fastidious Gram Positive Organisms
May 19-24, 2017	ATS	A3919	Gotfried	Pulmonary Concentrations of the Aminomethylcycline Antibiotic Omadacycline
May 19-24, 2017	ATS	A6856	Flamm	Activity of Omadacycline When Tested Against Respiratory Pathogens Streptococcus Pneumoniae, Haemophilus influenzae, Moraxella catarrhalis and Staphylococcus aureus Isolated During 2016 from Medical Centers in the USA
May 20-24, 2017	ISPOR	PRS43	Van Le	Characteristics of Hospitalized Patients With Community-Acquired Bacterial Pneumonia (CABP) at Greatest Risk for Prolonged Hospital Length of Stay in an Integrated Delivery Network
May 20-24, 2017	ISPOR	PRS44	LaPensee	Hospital Admissions Patterns in Adult Patients With Community-Acquired Bacterial Pneumonia (CABP): Identification of Potentially Avoidable Hospital Admissions Through a Retrospective Database Analysis

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Date	Conference	Presentation number	First Author	Title
Apr 22-25, 2017	ECCMID	OS0606	O'Riordan (presented by Loh)	A phase 3 randomized, double-blind, multi-centre study to compare the safety and efficacy of oral and IV omadacycline to linezolid for treating adult subjects with ABSSSI (the OASIS study)
Apr 22-25, 2017	ECCMID	P1252	O'Riordan	Efficacy of Oral and IV Omadacycline vs. Linezolid for Treating Adult Subjects With ABSSSI: Analysis by Infection Type and Pathogen in the OASIS Study
Apr 22-25, 2017	ECCMID	P1253	Huband	In vitro activity of omadacycline and comparators against Gram-negative bacterial isolates collected from patients in European medical centres (2016): results from the SENTRY antimicrobial surveillance programme
Apr 22-25, 2017	ECCMID	P1254	Dubois	In vitro extracellular and intracellular activity of omadacycline against Staphylococcus aureus
Apr 22-25, 2017	ECCMID	P1255	O'Riordan	Efficacy of omadacycline versus linezolid in treating ABSSSI patients from different geographic regions (OASIS trial)
Apr 22-25, 2017	ECCMID	P1256	Overcash	Effects of IV/oral omadacycline versus IV/oral linezolid on lesion size and local signs of ABSSSI in the phase 3 OASIS trial
Apr 22-25, 2017	ECCMID	P1257	Gotfried	Safety and Tolerability of IV Omadacycline (OMC) and Tigecycline (TGC) in Healthy Subjects in a Study to Assess Intra-Pulmonary Steady-State Concentrations
Apr 22-25, 2017	ECCMID	P1262	Huband	In vitro activity of omadacycline and comparators against staphylococci, streptococci and enterococci (including resistant organism subsets) from patients in European medical centres during 2016: results from the SENTRY antimicrobial surveillance programme
Apr 22-25, 2017	ECCMID	P1263	Thwaites	The impact of non-standard test conditions on the in-vitro activity of omadacycline by broth microdilution
Apr 22-25, 2017	ECCMID	P1264	Stapert	The in-vitro activity of omadacycline and comparators against anaerobic bacteria
Apr 22-25, 2017	ECCMID	P1265	LaPensee	Economic impact of omadacycline among acute bacterial skin and skin structure infections (ABSSSIs) patients: cost-saving opportunities due to avoidable hospitalizations using an antibiotic with IV-to-oral switch capability

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Date	Conference	Presentation number	First Author	Title
Apr 22-25, 2017	ECCMID	P1266	LaPensee	Cost-saving opportunities among hospitalized patients with acute bacterial skin and skin structure infections with omadacycline, a once-daily antibiotic with IV-to-oral transition capability, relative to current standard of inpatient care
Apr 22-25, 2017	ECCMID	OS1018	Horn	Comparison of Omadacycline (OMC) and Tigecycline (TGC) Pharmacodynamics (PD) in the Plasma, Epithelial Lining Fluid (ELF), and Alveolar Macrophages (AM) in Healthy Subjects
Oct 26-30, 2016	IDWEEK	1827	Flamm	Activity of Omadacycline When Tested Against Gram-positive Bacteria Isolated from Patients in the USA During 2015 as Part of a Global Surveillance Program
June 16-20, 2016	ASM Microbe	MONDAY-001	Sweeney	Activity of Omadacycline Against Clinical Isolates of Neisseria gonorrhoeae, Including Ciprofloxacin-Resistant Isolates
June 16-20, 2016	ASM Microbe	MONDAY-509	Van Wart	Population Pharmacokinetics (PPK) of Omadacycline (OMC) Following Intravenous (IV) or Oral Administration and Evaluation of Phase 3 Sparse PK Sampling Strategies
June 16-20, 2016	ASM Microbe	MONDAY-510	Van Scoy	Evaluation of the In Vitro Activity Profile of Omadacycline Against Haemophilus influenzae
June 16-20, 2016	ASM Microbe	MONDAY-512	Hinshaw	Post-antibiotic Effect of Omadacycline Against Target Pathogens
June 16-20, 2016	ASM Microbe	MONDAY-518	Villano	In Vitro Protein Binding with Omadacycline, a First in Class Aminomethylcycline Antibiotic
June 16-20, 2016	ASM Microbe	MONDAY-519	Tzanis	Effect of Food on the Bioavailability of Omadacycline in Healthy Volunteers
June 16-20, 2016	ASM Microbe	MONDAY-551	Dubois	In Vitro Intracellular Activity of Omadacycline against Legionella pneumophila
June 16-20, 2016	ASM Microbe	MONDAY-552	Diehl	In Vitro Activity of Omadacycline Against Escherichia coli Biofilms
June 16-20, 2016	ASM Microbe	MONDAY-567	Tracjewski	Omadacycline (PTK0796) Spectrum of Activity from 2003 through 2015

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Date	Conference	Presentation number	First Author	Title
April 9-12, 2016	ECCMID	P1324	Chilton	Effects of omadacycline on gut microbiota populations and Clostridium difficile germination, proliferation and toxin production in an in vitro model of the human gut
April 9-12, 2016	ECCMID	P1323	Dubois	In Vitro Bacterial and Intracellular Activity of Omadacycline against Legionella pneumophila
April 9-12, 2016	ECCMID	P1317	Flamm	Omadacycline activity tested against European bacterial isolates from a combined 2010-2011 Global Surveillance program
April 9-12, 2016	ECCMID	P1322	Hawser	Bactericidal activity of omadacycline, a novel aminomethylcycline
April 9-12, 2016	ECCMID	P1325	Kim	Activity and Efficacy of Omadacycline against Clostridium difficile
April 9-12, 2016	ECCMID	P1318	Tanaka	Effect of Age and Gender on the Pharmacokinetics of the Oral and IV Omadacycline, A New Class of Aminomethylcyclines
April 9-12, 2016	ECCMID	P1326	Tanaka	A Pooled Analysis of Two Randomized Multicenter, Evaluator-Blind Studies Comparing the Safety and Efficacy of Omadacycline and Linezolid for the Treatment of Complicated Skin and Skin Structure Infections
April 9-12, 2016	ECCMID	P1319	Tanaka	Single and Multiple Dose Pharmacokinetics and Tolerability of Intravenous Omadacycline in Healthy Volunteers
April 9-12, 2016	ECCMID	P1320	Van Wart	Population Pharmacokinetics (PPK) of Omadacycline Following Intravenous or Oral Administration to Phase 1 Subjects
April 9-12, 2016	ECCMID	P1321	Villano	Omadacycline, an Aminomethylcycline Antibiotic, Has No Effect on QT/QTc Intervals in Healthy Subjects
Sept 17-21, 2015	ICAAC	C-554	Flamm	Activity of Omadacycline Tested against Streptococcus pneumoniae from a Global Surveillance Program (2014)
Sept 17-21, 2015	ICAAC	C-614	Flamm	Activity of Omadacycline Tested against Enterobacteriaceae Causing Urinary Tract Infections from a Global Surveillance Program (2014)
Sept 17-21, 2015	ICAAC	F-289	Flamm	Activity of Omadacycline Tested against Staphylococcus aureus from a Global Surveillance Program (2014)

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Date	Conference	Presentation number	First Author	Title
Sept 17-21, 2015	ICAAC	D-194	Traczewski	Quality Control Parameters for Broth Microdilution and Agar dilution Susceptibility Tests of Omadacycline (formerly PTK-0796) against <i>B. fragilis</i> ATCC 25285, <i>B. thetaiotaomicron</i> ATCC 29741, <i>E. lenta</i> ATCC 43055, and <i>C. difficile</i> ATCC 700057 Using Fresh Media
Sept 17-21, 2015	ICAAC	D-195	Traczewski	Omacycline (formerly PTK-0796) In Vitro Spectrum of Activity and Confirmation of Disk Mass Using Fresh Media for MIC Testing
Sept 17-21, 2015	ICAAC	D-1140	Traczewski	Quality Control Parameters for Omadacycline Minimum Inhibitory Concentration (MIC) Susceptibility Tests.
Sept 17-21, 2015	ICAAC	F-770	DuBois	In Vitro Activity of Omadacycline Against <i>Legionella pneumophila</i>
Feb 25-27, 2013	ASM Biodefense	253(G)	Draper	In Vitro Activity of Omadacycline (OMC) against Biothreat Bacteria
Sept 9-12, 2012	ICAAC	A-1282	Ting	Pharmacokinetics of Omadacycline (PTK0796) in Subjects with Hepatic Impairment
Sept 9-12, 2012	ICAAC	A-1281	Sun	Pharmacokinetics of [14C]-labeled Omadacycline (PTK 0796) in Healthy Male Subjects
Mar 31- Apr 3, 2012	ECCMID	P694	Noel	Safety and efficacy of PTK 0796 (Omacycline) as treatment of complicated skin and soft tissue infection (cSSTI)
Mar 31- Apr 3, 2012	ECCMID	P1422	Hanna	Metabolic Stability of PTK 0796 (Omacycline)
Mar 31- Apr 3, 2012	ECCMID	P1423	Sun	A single-dose study to evaluate the pharmacokinetics, safety, and tolerability of multiple formulations of PTK 0796 in healthy subjects
Mar 31- Apr 3, 2012	ECCMID	P1424	Hanna	Lack of Interaction of PTK 0796 (Omacycline) with Human Transporter
Mar 31- Apr 3, 2012	ECCMID	P1449	Flamm	Antimicrobial Activity of PTK 0796 (Omacycline) and Comparator Agents Against Contemporary Pathogens Commonly Associated with Community-Acquired Respiratory Tract Infections Collected During 2011 from the European Union
Mar 31- Apr 3, 2012	ECCMID	P1450	Sader	Antimicrobial Activity of PTK 0796 (Omacycline) Tested against Gram-positive Organisms Isolated from European Hospitals in 2011

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Date	Conference	Presentation number	First Author	Title
Sept 17-20, 2011	ICAAC	C1-609	Ruzin	Omadacycline (PTK796) Mechanism of Action Studies by Using In Vitro Protein Synthesis Inhibition Assay and Molecular Modeling
May 7-10, 2011	ECCMID	P1528	Hait	In a Phase 2 Complicated Skin and Soft Tissue Infections Trial, Outcomes Assessed Early in the Course of Therapy were Consistent with Outcomes 10-17 Days After Completing Therapy with Either Omadacycline (OMC; PTK796) or Linezolid
May 7-10, 2011	ECCMID	P1074	Leahy	Comparative Efficacy of Omadacycline (PTK796) in Lethal Streptococcus pneumoniae and Staphylococcus aureus Pneumonia Models
May 7-10, 2011	ECCMID	P1141	Macone	In vitro Activity of Omadacycline (PTK796) in Broth Plus Lung Surfactant or Human Serum
Sept 12-15, 2010	ICAAC	B-069	Yu	Efficacy of PTK796 in a Rat MRSA Infected Endocarditis (IE) Model
Sept 12-15, 2010	ICAAC	C1-1413	Ruzin	Studies on the Mechanism of Resistance to PTK796 in Pseudomonas aeruginosa and Klebsiella pneumonia
Sept 12-15, 2010	ICAAC	E-1569	Biedenbach	In Vitro Evaluation of PTK 0796 Activity Tested against Staphylococcus aureus, Including Hospital- and Community-Associated MRSA Strains from the USA and Europe
Sept 12-15, 2010	ICAAC	E-1588	Sader	Antimicrobial Activity of PTK 0796 Tested against Gram-Positive Organisms Causing Bloodstream Infections in 2009
Sept 12-15, 2010	ICAAC	K-124	Ting	Pharmacokinetics of Intravenous and Oral PTK796, A New Aminomethylcycline Antibiotic
Sept 12-15, 2010	ICAAC	L1-1760	Macone	Identification and Susceptibility of Pathogens Isolated from Patients with Complicated Skin and Skin Structure Infections (cSSSI): Results of a PTK0796 (PTK) Phase 2 Clinical Trial
Oct 25-28, 2008	ICAAC	L-1515b	Arbeit	Safety and Efficacy of PTK 0796: Results of the Phase 2 Study in Complicated Skin and Skin Structure Infections Following IV and Oral Step Down Therapy
Sept 27-30, 2006	ICAAC	F1-1971	Smith	Antistaphylococcal Activity of MK-2764 / PTK 0796 Compared to Other Agents
Sept 27-30, 2006	ICAAC	F1-1974	Craig	In Vivo Pharmacodynamics of MK-2764 / PTK 0796 Against Various Gram-positive and Gram-negative Bacteria in the Thighs of Neutropenic and Normal Mice

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Date	Conference	Presentation number	First Author	Title
Sept 27-30, 2006	ICAAC	F1-1972	DuBois	In Vitro Activity of MK-2764 / PTK 0796 Against Legionella spp.
Sept 27-30, 2006	ICAAC	F1-1973	Tessier	Pharmacokinetic/Pharmacodynamic Profile of MK-2764 / PTK 0796 against S. pneumoniae in a Murine Pneumonia Model
May 1-4, 2004	ECCMID	P926	Macone	Potent activity of BAY 73-7388, a Novel Aminomethylcycline, Against Susceptible and Resistant Gram-positive and Gram-negative Organisms
May 1-4, 2004	ECCMID	P928	Endermann	BAY 73-7388 is Highly Efficacious in Animal Models of Intraabdominal Infections Caused by a Range of Aerobic and Anaerobic Organisms, Including VRE
May 1-4, 2004	ECCMID	P930	Broetz-Oesterhelt	Superior Efficacy of BAY 73-7388, a Novel Aminomethylcycline, Compared with Linezolid and Vancomycin in Murine Sepsis Caused by Susceptible or Multiresistant Staphylococci
May 1-4, 2004	ECCMID	P925	Bhatia	Activity of BAY 73-7388, a Novel Aminomethylcycline, and Other Novel Antibiotic Classes Against Resistant Bacteria In Vitro
May 1-4, 2004	ECCMID	P927	McKenney	BAY 73-7388, a Novel Aminomethylcycline, Exhibits Potent Efficacy in Pulmonary Murine Models of Infection
May 1-4, 2004	ECCMID	P929	Ladel	BAY 73-7388 Demonstrates Greater Activity than Linezolid in a Range of Murine Models of Skin and Soft Tissue Infection
May 1-4, 2004	ECCMID	P931	Endermann	BAY 73-7388, a Novel Aminomethylcycline, is Highly Active In Vivo in a Murine Model of Pneumococcal Pneumonia
Sept 14-17, 2003	ICAAC	F-751	Weir	The Mechanism of Action of PTK 0796 (BAY 73-6944)
Sept 14-17, 2003	ICAAC	F-752	Weir	The Activity of PTK 0796 (BAY 73-6944) Against Tetracycline Resistance
Sept 14-17, 2003	ICAAC	F-753	Traczewski	PTK 0796 (BAY 73-6944): In Vitro Potency and Spectrum of Activity Compared to Ten Other Antimicrobial Compounds
Sept 14-17, 2003	ICAAC	F-754	Macone	In Vitro Activity of PTK 0796 (BAY 73-6944) Against Gram-Positive and Gram-Negative Organisms

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Date	Conference	Presentation number	First Author	Title
Sept 14-17, 2003	ICAAC	F-755	Bhatia	PTK 0796 (BAY 73-6944) and other Novel Tetracycline Derivatives Exhibiting Potent in vitro and in vivo Activities Against Antibiotic Resistant Gram-Positive Bacteria
Sept 14-17, 2003	ICAAC	F-756	Traczewski	PTK 0796 (BAY 73-6944): Effects of Environmental Variation on MICs and Confirmation of Disk Mass
Sept 14-17, 2003	ICAAC	F-757	McKenney	Evaluation of PTK 0796 (BAY 73-6944) in Experimental Models of Infections Caused by Gram-Positive and Gram-Negative Pathogens
Sept 14-17, 2003	ICAAC	F-758	McKenney	The Efficacy of PTK 0796 (BAY 73-6944) in Murine Models of Streptococcus pneumoniae Infections
Sept 14-17, 2003	ICAAC	F-759	Cannon	Pharmacokinetics of PTK 0796 (BAY 73-6944) in Mouse, Rat and Cynomolgus Monkey
Sept 14-17, 2003	ICAAC	F-760	Chaturvedi	In Vitro Assessment of Plasma Protein Binding and Metabolic Stability of PTK 0796 (BAY 73-6944)