

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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**BEFORE THE PATENT TRIAL AND APPEAL BOARD**

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COALITION FOR AFFORDABLE DRUGS X LLC,  
Petitioner,

v.

ANACOR PHARMACEUTICALS, INC.,  
Patent Owner.

Case No. IPR2015-01776  
Patent No. 7,582,621

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**PATENT OWNER'S EXHIBIT LIST**

### LIST OF EXHIBITS

Exhibit	Description
2001	FDA Approved Label for KERYDIN <sup>®</sup> (Rev. 3/2015)
2002	Fairchild <i>et al.</i> , <i>In Vitro Determination of Uptake, Retention, Distribution, Biological Efficacy, and Toxicity of Boronated Compounds for Neutron Capture Therapy: A Comparison of Porphyrins with Sulfhydryl Boron Hydrides</i> , <i>Cancer Res.</i> , vol. 50, pp. 4860-65 (1990)
2003	Charif <i>et al.</i> , <i>A Historical Perspective on Onychomycosis</i> , <i>Dermatol. Ther.</i> vol. 3, pp. 43-45 (1997)
2004	Heath <i>et al.</i> , <i>Fatty Acid Biosynthesis as a Target for Novel Antibacterials</i> , <i>Curr. Opin. Invest. Drugs</i> , vol. 5, pp. 146-53 (2004)
2005	Baldock <i>et al.</i> , <i>A Mechanism of Drug Action Revealed by Structural Studies of Enoyl Reductase</i> , <i>Science</i> , vol. 274, pp. 2107-10 (1996)
2006	Biobor, R.E.D. Facts, EPA-738-R-93-004 (June 1993), <a href="http://nepis.epa.gov/Exe/ZyPDF.cgi?Dockey=200009P5.PDF">http://nepis.epa.gov/Exe/ZyPDF.cgi?Dockey=200009P5.PDF</a>
2007	Lefkovits <i>et al.</i> , <i>Direct Thrombin Inhibitors in Cardiovascular Medicine</i> , <i>Circulation</i> , vol. 90, pp. 1522-36 (1994)
2008	Grassberger <i>et al.</i> , <i>Preparation and Antibacterial Activities of New 1,2,3-Diazaborine Derivatives and Analogs</i> , <i>J. Med. Chem.</i> , vol. 27, no. 8, pp. 947-53 (1984)
2009	Baldock <i>et al.</i> , <i>Mechanism of Action of Diazaborines</i> , <i>Biochem. Pharm.</i> , vol. 55, pp. 1541-49 (1998)
2010	Heindel <i>et al.</i> , <i>The Developmental Toxicity of Boric Acid in Mice, Rats, and Rabbits</i> , <i>Environ. Health Perspect.</i> , vol. 102, suppl. 7, pp. 107-12 (1994)
2011	Richardson, <i>Clinical Update: Proteasome Inhibitors in Hematologic Malignancies</i> , <i>Cancer Treatment Rev.</i> , vol. 29, suppl. 1, pp. 33-39 (2003)

Exhibit	Description
2012	Bross <i>et al.</i> , <i>Approval Summary for Bortezomib for injection in the Treatment of Multiple Myeloma</i> , Clin. Cancer Res., vol. 10, pp. 3954-64 (2004)
2013	Adams, <i>Proteasome Inhibitors as Therapeutic Agents</i> , Expert Opin. Ther. Patents, vol. 13, no. 1, pp. 45-57 (2003)
2014	Dorland's Illustrated Medical Dictionary, p. 211 (29th ed. 2000)
2015	Stedman's Medical Dictionary, p. 204 (27th ed. 2000)
2016	Random House Webster's Unabridged Dictionary, p. 209 (2nd ed. 2001)
2017	Jordon <i>et al.</i> , <i>Boric Acid Poisoning: A Report of a Fatal Adult Case from Cutaneous Use. A Critical Evaluation of the Use of This Drug in Dermatologic Practice</i> , JAMA Derm, vol. 75, pp. 720-28 (1957).
2018	Zhdankin <i>et al.</i> , <i>Synthesis and Structure of Benzoxaboroles: Novel Organoboron Heterocycles</i> , Tetrahedron Lett., vol. 40, pp. 6705-08 (1999)
2019	Triggle, <i>Pharmacological Receptors: A Century of Discovery—and More</i> , Pharm. Acta Helvetiae, vol. 74, pp. 79-84 (2000)
2020	Larsen <i>et al.</i> , <i>The Prevalence of Onychomycosis in Patients with Psoriasis and Other Skin Diseases</i> , Acta Derm. Venereol., vol 83, pp. 206-09 (2003)
2021	Tatsumi <i>et al.</i> , <i>Therapeutic Efficacy of Topically Applied KP-103 Against Experimental Tinea Unguium in Guinea Pigs in Comparison with Amorolfine and Terbinafine</i> , Antimicrobial Agents and Chemotherapy, vol. 46, no. 12, pp. 3797-3801 (2002)
2022	Osborne <i>et al.</i> , <i>Antifungal Drug Response in an In Vitro Model of Dermatophyte Nail Infection</i> , Med. Mycol., vol. 42, pp. 159-63 (2004)
2023	Favre <i>et al.</i> , <i>Comparison of In Vitro Activities of 17 Antifungal Drugs Against a Panel of 20 Dermatophytes by Using a Microdilution Assay</i> , J. Clin. Microbiol., vol. 41, no. 10, pp. 4817-19 (2003)

Exhibit	Description
2024	Sangster, <i>Octanol-Water Partition Coefficients of Simple Organic Compounds</i> , J. Phys. Chem. Ref. Data, vol. 18, pp. 1111-1227 (1989)
2025	Powers <i>et al.</i> , <i>Structure-Based Approach for Binding Site Identification on AmpC <math>\beta</math>-Lactamase</i> , J. Med. Chem., vol. 45, pp. 3222-34 (2002)
2026	Boric Acid, R.E.D. Facts, EPA-738-F-93-006 (Sept. 1993), <a href="http://archive.epa.gov/pesticides/reregistration/web/pdf/0024fact.pdf">http://archive.epa.gov/pesticides/reregistration/web/pdf/0024fact.pdf</a>
2027	Vander Straten <i>et al.</i> , <i>Cutaneous Infections: Dermatophytosis, Onychomycosis, and Tinea Versicolor</i> , Infect. Dis. Clinics N. Am., vol. 17, pp. 87-112 (2003)
2028	(Intentionally Left Blank)
2029	Curriculum vitae of Mahmoud A. Ghannoum, Ph.D., E.M.B.A.
2030	Curriculum vitae of Paul J. Reider, Ph.D.
2031	Curriculum vitae of Howard I. Maibach, M.D., Ph.D.
2032	Transcript, Deposition of Narasimha Murthy, Ph.D. (May 4, 5, 6, and 12, 2016)
2033	Transcript, Deposition of Stephen B. Kahl, Ph.D. (April 7 and 8, 2016)
2034	Declaration of Paul J. Reider, Ph.D.
2035	Declaration of Mahmoud A. Ghannoum, Ph.D., E.M.B.A.
2036	Declaration of Majella Lane, Ph.D.
2037	Declaration of Howard I. Maibach, M.D., Ph.D.
2038	Fletcher <i>et al.</i> , <i>Onychomycosis: The Development of a Clinical Diagnostic Aid for Toenail Disease, Part I. Establishing Discriminating Historical and Clinical Features</i> , Brit. J. Dermatol., vol. 150, no. 4, pp. 701-05 (2004)

Exhibit	Description
2039	Kemna & Elewski, <i>A U.S. Epidemiologic Survey of Superficial Fungal Diseases</i> , J. Am. Acad. of Dermatol., vol. 35, no. 4, pp. 539–42 (1996)
2040	Shivakumar, Repka, & Murthy, <i>Transungual Drug Delivery: an Update</i> , J. Drug Del. Sci. Tech., vol. 24, no. 3, pp. 301–10 (2014) (Ex. 3 from Murthy Deposition)
2041	<u>Topical Nail Products and Ungual Drug Delivery</u> (S. Narasimha Murthy & Howard I. Maibach eds., 2013) (Ex. 4 from Murthy Deposition)
2042	Koo <i>et al.</i> , <i>Synthesis and Comparative Toxicology of a Series of Polyhedral Borane Anion-Substituted Tetraphenyl Porphyrins</i> , J. Med. Chem., vol. 50, pp. 820–27 (2007)
2043	Office of Toxic Substances, Environmental Protection Agency, “Preliminary Investigation of Effects on the Environment of Boron, Indium, Nickel, Selenium, Vanadium and Their Compounds,” EPA-56/2-75-005A (August 1975) <i>available at</i> <a href="http://nepis.epa.gov/Exe/ZyPDF.cgi/9101277V.PDF?Dockey=9101277V.PDF">http://nepis.epa.gov/Exe/ZyPDF.cgi/9101277V.PDF?Dockey=9101277V.PDF</a>
2044	Van Proosdij-Hartzema, <i>Boriumverbindingen: Verleden, Heden en Toekomst</i> , Ned. T. Geneesk., vol. 110, no. 51, pp. 2260–69 (1966) with certified English translation
2045	Elewski <i>et al.</i> , <i>Efficacy, Safety and Tolerability of Topical Terbinafine Nail Solution in Patients with Mild-to-Moderate Toenail Onychomycosis: Results from Three Randomized Studies using Double-Blind Vehicle-Controlled and Open-Label Active-Controlled Designs</i> , J. Eur. Acad. Derm. & Vener., vol. 27, no. 3, pp. 287–94 (2013)
2046	Cecil Textbook of Medicine, (J. Claude Bennett & Fred Plum ed., 1996)
2047	Hay <i>et al.</i> , <i>Fungal (onychomycosis) and other Infections Involving the Nail Apparatus in Baran and Dawber’s Diseases of the Nails and their Management</i> , (R. Baran <i>et al.</i> , eds., 2001)

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