(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 7 February 2008 (07.02.2008)

(10) International Publication Number WO 2008/016708 A3

(51) International Patent Classification: A61K 31/7056 (2006.01)

(21) International Application Number:

PCT/US2007/017379

(22) International Filing Date: 2 August 2007 (02.08.2007)

(25) Filing Language: English

(26) Publication Language: **English**

(30) Priority Data:

60/835,273 2 August 2006 (02.08.2006) US 60/850,299 6 October 2006 (06.10.2006)

(71) Applicant (for all designated States except US): SALIX PHARMACEUTICALS, INC. [—/US]; 1700 Perimeter Park Drive, Morrisville, NC 27560 (US).

(72) Inventors; and

Inventors/Applicants (for US only): BETTENHAUSEN, Doug [US/US]; 8301 Davishire Drive, Raleigh, NC 27615-1848 (US). JAHRAUS, Christopher [US/US]; 924 Andover Green, Lexington-Faytte, KY 40509-2929 (US).

(74) Agents: BUCKLEY, Linda, M. et al.; Edwards Angell Palmer & Dodge Llp, P.o. Box 55874, Boston, MA 02205 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

(88) Date of publication of the international search report: 19 June 2008

(54) Title: METHODS FOR TREATMENT OF RADIATION ENTERITIS

(57) Abstract: The present invention provides a new method of preventing, ameliorating and/or treating enteritis induced by abdominopelvic therapies. The present invention also relates to the prophylactic treatment of traveler's diarrhea.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US07/17379

A. CLAS	SSIFICATION OF SUBJECT MATTER A61K 31/7056(2006.01)			
USPC: 514/37 According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols) U.S.: 514/37				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) STN & inventor search				
C. DOC	JMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where a	opropriate, of the relevant passages	Relevant to claim No.	
Y	US 2005/0143409 A1 (MICHAELIS et al.) 30 June 2	2005 (30.06.2005), seeclaim 9, page 13.	1-34	
x	ADACHI et al., "Rifaximin: A Novel Nonabsorbed Rifamycin for Gastrointestinal Disorders," Clinical Infectious Diseases, (February 15, 2006), Vol. 42, pp. 541-547.		35-37	
Further documents are listed in the continuation of Box C. See patent family annex.				
"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to		date and not in conflict with the applica	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	
		"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination		
				"O" document referring to an oral disclosure, use, exhibition or other means
"P" document published prior to the international filing date but later than the priority date claimed		"&" document member of the same patent family		
	ctual completion of the international search	Date of mailing of the international search	n report	
13 March 2008 (13.03.2008)				
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201		Authorized officer Phyllis G. Spivack Telephone No. 571-272-0555	Spivack	