

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

SYNAFFIX B.V.

Petitioner

v.

HANGZHOU DAC BIOTECH CO., LTD.,

Patent Owner

Patent No. 10,131,682

Ex Parte Reexamination Certificate Issued: January 4, 2021

Title: HYDROPHILIC LINKERS AND THEIR USES FOR CONJUGATION OF
DRUGS TO A CELL BINDING MOLECULES

Inter Partes Review No. IPR2022-01531

PETITIONER'S UPDATED EXHIBIT LIST

EXHIBIT LIST

Ex. #	Exhibit	Served	Filed
EX1001	U.S. Patent No. 10,131,682 (“the ’682 Patent”)	X	X
EX1002	Ex Parte Reexamination Certificate for the U.S. Patent No. 10,131,682 (“the ’862 REC”)	X	X
EX1003	Declaration of Dr. Ravi Chari	X	X
EX1004	Curriculum Vitae of Dr. Ravi Chari	X	X
EX1005	Morales-Sanfrutos <i>et al.</i> , "Vinyl sulfone bifunctional tag reagents for single-point modification of proteins." <i>The Journal of Organic Chemistry</i> 75, no. 12 (2010): 4039-4047 (“Morales-Sanfrutos”)	X	X
EX1006	Straus & Keller, “Unusual Binding Sites for Horseradish Peroxidase on the Surface of Cultured and Isolated Mammalian Cells,” <i>Histochemistry</i> 85, July 1986, pages 277-285 (“Straus”)	X	X
EX1007	International Publication No. WO 1995/013312 (“Harris”)	X	X
EX1008	U.S. Patent Publication No. 2010/0129314 (“Singh”)	X	X
EX1009	U.S. Patent No. 5,208,020 (“Chari-1”)	X	X
EX1010	U.S. Patent No. US 5,414,135 (“Snow”)	X	X
EX1011	U.S. Patent Application Publication No. 2011/0301334 (“Bhakta”)	X	X
EX1012	Declaration of Dr. James Mullins	X	X
EX1013	Curriculum Vitae of Dr. James Mullins	X	X
EX1014	Thomas <i>et al.</i> , “Application of Strain-Promoted Azide-Alkyne Cycloaddition and Tetrazine Ligation to Targeted Fc-Drug Conjugates,” <i>Bioconjug Chem.</i> , 23(10), October 2012, pages 2007–2013 (“Thomas”)	X	X

Ex. #	Exhibit	Served	Filed
EX1015	Kathrin-Maria Roy <i>et al</i> , <i>Sulfones and Sulfoxides</i> , Ullmann's Encyclopaedia of Industrial Chemistry, Vol. 34, page 571 (2003) (“Roy”)	X	X
EX1016	Zhao et al., Synthesis and Evaluation of Hydrophilic Linkers for Antibody_Maytansinoid Conjugates, J. Med. Chem. 2011, 54, 3606–3623 (“Zhao”)	X	X
EX1017	U.S. Patent No. 6,214,345 (“Firestone”)	X	X
EX1018	Prosecution History excerpts for US 10,131,682	X	X
EX1019	Excerpts for File Wrapper of Ex Parte Reexamination No. 90/014,390	X	X
EX1020	WTS scan of Morales-Sanfrutos from Linda Hall Library (A-1)	X	X
EX1021	Download of Morales-Sanfrutos from Purdue U. Libraries (A-2)	X	X
EX1022	WorldCat entry for Morales-Sanfrutos (A-3)	X	X
EX1023	Download of Morales-Sanfrutos from Linda Hall Library OPAC (A-4)	X	X
EX1024	Morales-Sanfrutos ACS Digital Publication record (NEW A-5)	X	X
EX1025	WTS Scan of Strauss from Linda Hall Library (B-1)	X	X
EX1026	Download of Strauss from Purdue University Libraries (B-2)	X	X
EX1027	WorldCat entry for Strauss (B-3)	X	X
EX1028	Download of Linda Hall Library OPAC record for Strauss (B-4)	X	X
EX1029	WTS Scan of Thomas from Linda Hall Library (C-1)	X	X
EX1030	Download of Thomas from Purdue University Libraries (C-2)	X	X

Ex. #	Exhibit	Served	Filed
EX1031	WorldCat entry for Thomas (C-3)	X	X
EX1032	Download of Linda Hall Library OPAC record for Thomas (C-4)	X	X
EX1033	Thomas ACS Digital Publication record (C-5)	X	X
EX1034	Scan of Roy from Linda Hall Library (D-1)	X	X
EX1035	Screenshot of link to Roy via Purdue University Libraries (D-2)	X	X
EX1036	Download of Roy from Purdue University Libraries (D-3)	X	X
EX1037	WorldCat entry for Roy (D-4)	X	X
EX1038	Monographic record for Roy at Linda Hall Library (D-5)	X	X
EX1039	Roy Digital Publication Record (D-6)	X	X
EX1040	Scan of Zhao from National Library of Medicine	X	X
EX1041	Download of Zhao from Purdue University Libraries (E-2)	X	X
EX1042	Download of WorldCat entry for Zhao (E-3)	X	X
EX1043	Download of National Library of Medicine OPAC record for Zhao (E-4)	X	X
EX1044	Zhao ACS Digital Publication record (E-5) Screen capture of https://pubs.acs.org/doi/abs/10.1021/jm2002958	X	X
EX1045	Certified translation of priority French Application No. FR 10/52589, filed 6 April 2010	X	X
EX1046	International Publication No. WO2011124571	X	X
EX1047	U.S. Patent No. 5,122,614 (“Zalipsky”)	X	X
EX1048	Boja & Fales, <i>Anal. Chem.</i> 2001, 73, pages 3576-3582 (“Boja”)	X	X

Ex. #	Exhibit	Served	Filed
EX1049	Lewis Phillips <i>et al.</i> , <i>Cancer Res</i> (2008) 68 (22): 9280–9290	X	X
EX1050	US Patent No. 8,236,319 (“Chari-2”)	X	X
EX1051	Pietersz <i>et al.</i> , <i>Advances in Immunology</i> Vol. 56: 301-387 (1994).	X	X
EX1052	Trail & Bianchi, <i>Current Opinion in Immunology</i> 11:584–588 (1999).	X	X
EX1053	Ghose <i>et al.</i> , <i>Journal of the National Cancer Institute</i> , Vol. 61(3): 657–676 (1978) (“Ghose”)	X	X
EX1054	Panousis & Pietersz, <i>Drugs & Aging</i> 15 (1): 1-13 (1999)	X	X
EX1055	Alley <i>et al.</i> , <i>Bioconjug Chem.</i> 2008 Mar;19(3):759-65.	X	X
EX1056	SGEN Doronina Nat biotech	X	X
EX1057	Screencapture Wayback Machine Bioconjugate Chemistry	X	X
EX1058	Condensed Transcript of Teleconference with Board on July 3, 2023	X	X

Respectfully submitted,

By: s/Michael R. Houston/
Michael R. Houston
Reg. No. 58,486
Counsel for Petitioner

CERTIFICATE OF SERVICE

I hereby certify that a true and correct copy of the foregoing
PETITIONER'S UPDATED EXHIBIT LIST is being served on counsel for Patent
Owner by electronic mail this 18th day of July, 2023 as follows:

F. Dominic Cerrito

nickcerrito@quinnemanuel.com

Frank Calvosa

frankcalvosa@quinnemanuel.com

Catherine T. Mattes

catherinemattes@quinnemanuel.com

Tara Srinivasan

tarasrinivasan@quinnemanuel.com

qe-hangzhoudac2@quinnemanuel.com

By: s/Michael R. Houston/
Michael R. Houston
Reg. No. 58,486
Counsel for Petitioner