

Form PTO-1595 (Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/2002)		RECORDATION FORM COVER SHEET PATENTS ONLY		U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office	
				Atty Docket No.: 28190.0003	
To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.					
1. Name of conveying party(ies): James C. Sutton Marion Wiesmann Weibo Wang Mika K. Lindvall Additional name(s) of conveying party(ies) attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		2. Name and address of receiving party(ies) Name: Novartis Vaccines and Diagnostics, Inc. Internal Address: <u>Mail Stop B-100 B</u> Street Address: 4560 Horton Street City: Emeryville State: California Zip: 94608-2916 <input type="checkbox"/> Other Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other Execution Date: May 10, 2007, May 15, 2007, May 16, 2007, May 30, 2007, June 6, 2007, June 8, 2007, June 9, 2007, June 18, 2007, June 20, 2007, August 24, 2007, and September 5, 2007		4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: _____. A. Patent Application No. 11/737,069 Additional number(s) attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Novartis Vaccines and Diagnostics, Inc.</u> Internal Address: <u>Mail Stop B-100 B</u> Street Address: 4560 Horton Street City: Emeryville State: CA Zip: 94608-2916		6. Total number of applications and patents involved <u>1</u> 7. Total fee (37 CFR 3.41)..... \$40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account (any deficiencies) 8. Deposit account number: 03-1664 (Attach duplicate copy of this page if paying by deposit account)			
DO NOT USE THIS SPACE					
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. <u>Mark Seka, Registration No. 44,330</u> Name of Person Signing Signature Date December 4, 2008					
Total number of pages including cover sheet, attachments, and document: <u>26</u>					

Mail documents to be recorded with required cover sheet information to:
Mail Stop Assignment Recordation Services
Director of the U.S. Patent and Trademark Office
P.O. Box 1450, Alexandria, VA 22313-1450

PATENT

REEL: 021969 FRAME: 0969

700393471

CH \$40.00 031664 11737069

Form PTO-1595 (Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/2002)	RECORDATION FORM COVER SHEET PATENTS ONLY (ADDENDUM)	U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office 28190.0003
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.		
1. Name of conveying party(ies) continued: Jiong Lan Savithri Ramurthy Anu Sharma Elizabeth J. Mieuli Liana M. Klivansky William P. Lenahan Susan Kaufman Hong Yang Simon C. Ng Keith Pfister Allan Wagman Victoria Sung Martin Sendzik		

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

PATENT
REEL: 021969 FRAME: 0970

PATENT

Atty. Docket No. 28190.0003

ASSIGNMENT

WHEREAS, We, James C. Sutton, Marion Wiesmann, Weibo Wang, Mika K. Lindvall, Jiong Lan, Savithri Ramurthy, Anu Sharma, Elizabeth J. Mieuli, Liana M. Klivansky, William P. Lenahan, Susan Kaufman, Hong Yang, Simon C. Ng, Keith Pfister, Allan Wagman, Victoria Sung, and Martin Sendzik, hereinafter referred to as *ASSIGNORS*, have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: 6-O-SUBSTITUTED BENZAZOLE AND BENZOTHAZOLE
COMPOUNDS AND METHODS OF INHIBITING CSF-1R SIGNALING

Date(s) of Execution: May 10, 2007, May 15, 2007, May 16, 2007, Filing Date: April 18, 2007
May 30, 2007, June 6, 2007, June 20, 2007, and
September 5, 2007

Serial No: 11/737,069

WHEREAS, NOVARTIS VACCINES AND DIAGNOSTICS, INC., 4560 Horton Street, Emeryville, California 94608-2916, a corporation of the State of Delaware, hereinafter referred to as *ASSIGNEE*, is desirous of acquiring the entire right, title and interest in the above invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to *ASSIGNORS* by *ASSIGNEE*, receipt of which is hereby acknowledged, *ASSIGNORS* have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said *ASSIGNEE*, and *ASSIGNEE'S* successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions (including conversions claiming priority under 35 U.S.C. §119(c)), reissues, prolongations or extensions thereof, the said interest to be held and enjoyed by said *ASSIGNEE* as fully and exclusively as it would have been held and enjoyed by said *ASSIGNORS* had this assignment and transfer not been made, to the full end and term of any Letters Patent.


PATENT

Atty. Docket No. 28190.0002

ASSIGNORS also agree that the U.S. application number may be entered above by *ASSIGNEE* or its agents upon designation of the application number by the U.S. Patent and Trademark Office.

ASSIGNORS further agree that they will, without charge to said *ASSIGNEE*, but at *ASSIGNEE'S* expense, cooperate with *ASSIGNEE* in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as *ASSIGNEE* lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said *ASSIGNEE*, or *ASSIGNEE'S* successors and assigns.

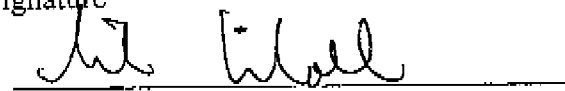
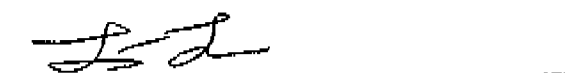
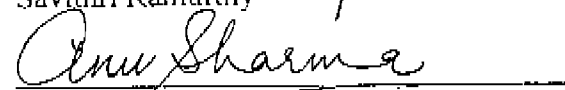
IN TESTIMONY WHEREOF, *ASSIGNORS* have hereunto signed their names to this assignment on the dates indicated below.

DATE 05/16/07
James C. SuttonDATE 05/16/2007
Marion Wiesmann

DATE _____

Weibo Wang

Witness Signature

DATE 06/06/2007
Mika K. LindvallDATE 06/06/2007
Jiong LanDATE 6/20/07
Savithri RamurthyDATE 06-06-2007.
Anu Sharma

PATENT

Atty. Docket No. 28190.0002

DATE _____

Elizabeth J. Mieuli

Witness Signature

DATE _____

Liana M. Klivansky

Witness Signature

DATE 05/10/2007

William P. Lenahan
William P. Lenahan

DATE 5/30/2007

Susan Kaufman
Susan Kaufman

DATE _____

Hong Yang

Witness Signature

DATE 5-15-2007

Simon C. Ng
Simon C. Ng

DATE 5-10-07

Keith Pfister
Keith Pfister

DATE _____

Allan Wagman

Witness Signature

DATE 9-5-07

Victoria Sung
Victoria Sung

DATE 5-10-07

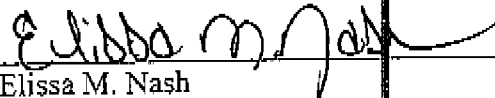
Martin Sendzik
Martin Sendzik

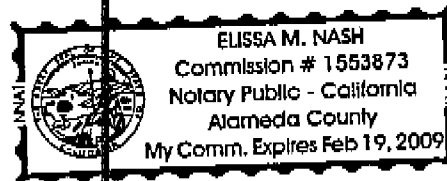
State of California

County of Alameda

On June 20, 2007 before me, Elissa M. Nash, personally appeared Savithri Ramurthy, personally known to me to be the person whose name is subscribed to the within instrument and acknowledged to me that she executed the same in her authorized capacity, and that by her signature on the instrument the person, or entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.


Elissa M. Nash

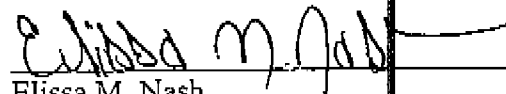


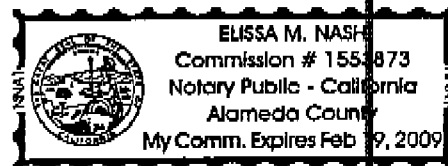
State of California

County of Alameda

On June 6, 2007 before me, Elissa M. Nash, personally appeared Mika K. Lindvall, Jiong Lan, and Anu Sharma, personally known to me to be the persons whose names are subscribed to the within instrument and acknowledged to me that they executed the same in their authorized capacities, and that by their signatures on the instrument the persons, or entity upon behalf of which the persons acted, executed the instrument.

WITNESS my hand and official seal.


Elissa M. Nash

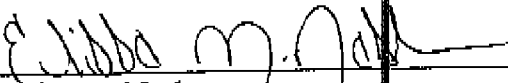


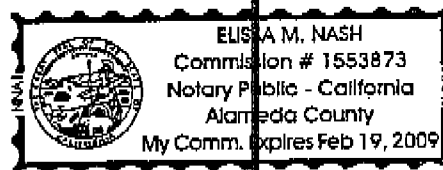
State of California

County of Alameda

On May 15, 2007 before me, Elissa M. Nash, personally appeared Simon Ng personally known to me to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.


Elissa M. Nash




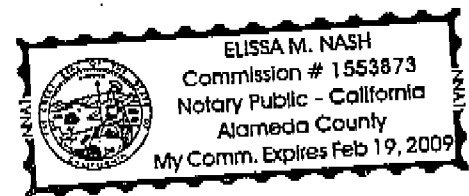
State of California

County of Alameda

On May 16, 2007 before me, Elissa M. Nash, personally appeared James C. Sutton and Marion Wiesmann, personally known to me to be the persons whose names are subscribed to the within instrument and acknowledged to me that they executed the same in their authorized capacities, and that by their signatures on the instrument the persons, or entity upon behalf of which the persons acted, executed the instrument.

WITNESS my hand and official seal.


Elissa M. Nash

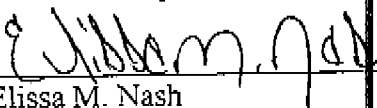


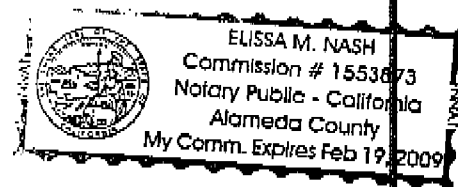
State of California

County of Alameda

On May 30, 2007 before me, Elissa M. Nash, personally appeared Susan Kaufman personally known to me to be the person whose name is subscribed to the within instrument and acknowledged to me that she executed the same in her authorized capacity, and that by her signature on the instrument the person, or entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.


Elissa M. Nash

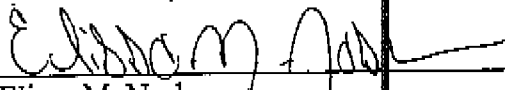


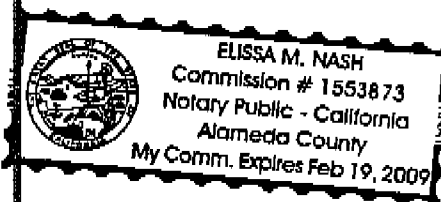
State of California

County of Alameda

On September 5, 2007 before me, Elissa M. Nash, personally appeared Victoria Sung, personally known to me to be the person whose name is subscribed to the within instrument and acknowledged to me that she executed the same in her authorized capacity, and that by her signature on the instrument the person, or entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.


Elissa M. Nash



PATENT

Atty. Docket No. 28190.0003

ASSIGNMENT

WHEREAS, We, James C. Sutton, Marion Wiesmann, Weibo Wang, Mika K. Lindvall, Jiong Lan, Savithri Ramurthy, Anu Sharma, Elizabeth J. Mieuli, Liana M. Klivansky, William P. Lenahan, Susan Kaufman, Hong Yang, Simon C. Ng, Keith Pfister, Allan Wagman, Victoria Sung, and Martin Sendzik, hereinafter referred to as *ASSIGNORS*, have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: 6-O-SUBSTITUTED BENZAZOLE AND BENZOTHAZOLE
COMPOUNDS AND METHODS OF INHIBITING CSF-1R SIGNALING

Date(s) of Execution: June 9, 2007

Filing Date: April 18, 2007

Serial No: 11/737,069

WHEREAS, NOVARTIS VACCINES AND DIAGNOSTICS, INC., 4560 Horton Street, Emeryville, California 94608-2916, a corporation of the State of Delaware, hereinafter referred to as *ASSIGNEE*, is desirous of acquiring the entire right, title and interest in the above invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to *ASSIGNORS* by *ASSIGNEE*, receipt of which is hereby acknowledged, *ASSIGNORS* have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said *ASSIGNEE*, and *ASSIGNEE'S* successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions (including conversions claiming priority under 35 U.S.C. §119(e)), reissues, prolongations or extensions thereof, the said interest to be held and enjoyed by said *ASSIGNEE* as fully and exclusively as it would have been held and enjoyed by said *ASSIGNORS* had this assignment and transfer not been made, to the full end and term of any Letters Patent.

PATENT

REEL: 021969 FRAME: 0980

PATENT

Atty. Docket No. 28190.0003

ASSIGNORS also agree that the U.S. application number may be entered above by *ASSIGNEE* or its agents upon designation of the application number by the U.S. Patent and Trademark Office.

ASSIGNORS further agree that they will, without charge to said *ASSIGNEE*, but at *ASSIGNEE'S* expense, cooperate with *ASSIGNEE* in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as *ASSIGNEE* lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said *ASSIGNEE*, or *ASSIGNEE'S* successors and assigns.

IN TESTIMONY WHEREOF, *ASSIGNORS* have hereunto signed their names to this assignment on the dates indicated below.

DATE _____

James C. Sutton

DATE _____

Marion Wiesmann

DATE 6/9/07

Weibo Wang

Witness Signature

DATE _____

Mika K. Lindvall

DATE _____

Jiong Lan

DATE _____

Savithri Ramurthy

DATE _____

Anu Sharma

PATENT

Atty. Docket No. 28190.0003

DATE _____

Elizabeth J. Mieuli

Witness Signature

DATE _____

Liana M. Klivansky

Witness Signature

DATE _____

William P. Lenahan

DATE _____

Susan Kaufman

DATE _____

Hong Yang

Witness Signature

DATE _____

Simon C. Ng

DATE _____

Keith Pfister

DATE _____

Allan Wagman

Witness Signature

DATE _____

Victoria Sung

DATE _____

Martin Sendzik

PATENT

Atty. Docket No. 28190.0003

ASSIGNMENT

WHEREAS, We, James C. Sutton, Marion Wiesmann, Weibo Wang, Mika K. Lindvall, Jiong Lan, Savithri Ramurthy, Anu Sharma, Elizabeth J. Mieuli, Liana M. Klivansky, William P. Lenahan, Susan Kaufman, Hong Yang, Simon C. Ng, Keith Pfister, Allan Wagman, Victoria Sung, and Martin Sendzik, hereinafter referred to as *ASSIGNORS*, have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: 6-O-SUBSTITUTED BENZAZOLE AND BENZOTHAZOLE
COMPOUNDS AND METHODS OF INHIBITING CSF-1R SIGNALING

Date(s) of Execution: June 8, 2007

Filing Date: April 18, 2007

Serial No: 11/737,069

WHEREAS, NOVARTIS VACCINES AND DIAGNOSTICS, INC., 4560 Horton Street, Emeryville, California 94608-2916, a corporation of the State of Delaware, hereinafter referred to as *ASSIGNEE*, is desirous of acquiring the entire right, title and interest in the above invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to *ASSIGNORS* by *ASSIGNEE*, receipt of which is hereby acknowledged, *ASSIGNORS* have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said *ASSIGNEE*, and *ASSIGNEE'S* successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions (including conversions claiming priority under 35 U.S.C. §119(e)), reissues, prolongations or extensions thereof, the said interest to be held and enjoyed by said *ASSIGNEE* as fully and exclusively as it would have been held and enjoyed by said *ASSIGNORS* had this assignment and transfer not been made, to the full end and term of any Letters Patent.

PATENT

Atty. Docket No. 28190.0003

ASSIGNORS also agree that the U.S. application number may be entered above by *ASSIGNEE* or its agents upon designation of the application number by the U.S. Patent and Trademark Office.

ASSIGNORS further agree that they will, without charge to said *ASSIGNEE*, but at *ASSIGNEE'S* expense, cooperate with *ASSIGNEE* in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as *ASSIGNEE* lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said *ASSIGNEE*, or *ASSIGNEE'S* successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNORS have hereunto signed their names to this assignment on the dates indicated below.

DATE _____

James C. Sutton

DATE _____

Marion Wiesmann

DATE _____

Weibo Wang_____
Witness Signature

DATE _____

Mika K. Lindvall

DATE _____

Jiong Lan

DATE _____

Savithri Ramurthy

DATE _____

Anu Sharma

PATENT

Atty. Docket No. 28190.0003

DATE _____

Elizabeth J. Miculi

Witness Signature

DATE _____

Liana M. Klivansky

Witness Signature

DATE _____

William P. Lenahan

DATE _____

Susan Kaufman

DATE _____

Hong Yang

Witness Signature

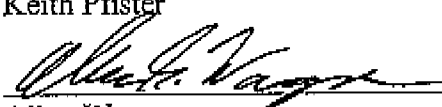
DATE _____

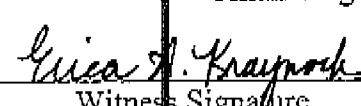
Simon C. Ng

DATE _____

Keith Pfister

DATE 6/8/07


Allan Wagman


Witness Signature

DATE _____

Victoria Sung

DATE _____

Martin Sendzik

PATENT

Atty. Docket No. 28190.0003

ASSIGNMENT

WHEREAS, We, James C. Sutton, Marion Wiesmann, Weibo Wang, Mika K. Lindvall, Jiong Lan, Savithri Ramurthy, Anu Sharma, Elizabeth J. Mieuli, Liana M. Klivansky, William P. Lenahan, Susan Kaufman, Hong Yang, Simon C. Ng, Keith Pfister, Allan Wagman, Victoria Sung, and Martin Sendzik, hereinafter referred to as **ASSIGNORS**, have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: 6-O-SUBSTITUTED BENZAZOLE AND BENZOTHAZOLE
COMPOUNDS AND METHODS OF INHIBITING CSF-1R SIGNALING

Date(s) of Execution: June 6, 2007

Filing Date: April 18, 2007

Serial No: 11/737,069

WHEREAS, NOVARTIS VACCINES AND DIAGNOSTICS, INC., 4560 Horton Street, Emeryville, California 94608-2916, a corporation of the State of Delaware, hereinafter referred to as **ASSIGNEE**, is desirous of acquiring the entire right, title and interest in the above invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to **ASSIGNORS** by **ASSIGNEE**, receipt of which is hereby acknowledged, **ASSIGNORS** have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said **ASSIGNEE**, and **ASSIGNEE'S** successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions (including conversions claiming priority under 35 U.S.C. §119(e)), reissues, prolongations or extensions thereof, the said interest to be held and enjoyed by said **ASSIGNEE** as fully and exclusively as it would have been held and enjoyed by said **ASSIGNORS** had this assignment and transfer not been made, to the full end and term of any Letters Patent.

PATENT

Atty. Docket No. 28190.0003

ASSIGNORS also agree that the U.S. application number may be entered above by *ASSIGNEE* or its agents upon designation of the application number by the U.S. Patent and Trademark Office.

ASSIGNORS further agree that they will, without charge to said *ASSIGNEE*, but at *ASSIGNEE'S* expense, cooperate with *ASSIGNEE* in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissuance thereof, and instruments of assignment and transfer thereof, and will perform such other acts as *ASSIGNEE* lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said *ASSIGNEE*, or *ASSIGNEE'S* successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNORS have hereunto signed their names to this assignment on the dates indicated below.

DATE _____

James C. Sutton

DATE _____

Marion Wiesmann

DATE _____

Weibo Wang_____
Witness Signature

DATE _____

Mika K. Lindvall

DATE _____

Jiong Lan

DATE _____

Savithri Ramurthy

DATE _____

Anu Sharma

PATENT

Atty. Docket No. 28190.0003

DATE _____

Elizabeth J. Mieuli

Witness Signature

DATE 6/6/07


Liana M. Klivansky


Witness Signature

DATE _____

William P. Lenahan

DATE _____

Susan Kaufman

DATE _____

Hong Yang

Witness Signature

DATE _____

Simon C. Ng

DATE _____

Keith Pfister

DATE _____

Allan Wagman

Witness Signature

DATE _____

Victoria Sung

DATE _____

Martin Sendzik

PATENT

Atty. Docket No. 28190.0003

ASSIGNMENT

WHEREAS, We, James C. Sutton, Marion Wiesmann, Weibo Wang, Mika K. Lindvall, Jiong Lan, Savithri Ramurthy, Anu Sharma, Elizabeth J. Mieuli, Liana M. Klivansky, William P. Lenahan, Susan Kaufman, Hong Yang, Simon C. Ng, Keith Pfister, Allan Wagman, Victoria Sung, and Martin Sendzik, hereinafter referred to as *ASSIGNORS*, have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: 6-O-SUBSTITUTED BENZAZOLE AND BENZOTHAZOLE
COMPOUNDS AND METHODS OF INHIBITING CSF-1R SIGNALING

Date(s) of Execution: June 18, 2007

Filing Date: April 18, 2007

Serial No: 11/737,069

WHEREAS, NOVARTIS VACCINES AND DIAGNOSTICS, INC., 4560 Horton Street, Emeryville, California 94608-2916, a corporation of the State of Delaware, hereinafter referred to as *ASSIGNEE*, is desirous of acquiring the entire right, title and interest in the above invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to *ASSIGNORS* by *ASSIGNEE*, receipt of which is hereby acknowledged, *ASSIGNORS* have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said *ASSIGNEE*, and *ASSIGNEE'S* successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions (including conversions claiming priority under 35 U.S.C. §119(e)), reissues, prolongations or extensions thereof, the said interest to be held and enjoyed by said *ASSIGNEE* as fully and exclusively as it would have been held and enjoyed by said *ASSIGNORS* had this assignment and transfer not been made, to the full end and term of any Letters Patent.

PATENT

Atty. Docket No. 28190.0003

ASSIGNORS also agree that the U.S. application number may be entered above by *ASSIGNEE* or its agents upon designation of the application number by the U.S. Patent and Trademark Office.

ASSIGNORS further agree that they will, without charge to said *ASSIGNEE*, but at *ASSIGNEE'S* expense, cooperate with *ASSIGNEE* in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as *ASSIGNEE* lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said *ASSIGNEE*, or *ASSIGNEE'S* successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNORS have hereunto signed their names to this assignment on the dates indicated below.

DATE _____

James C. Sutton

DATE _____

Marion Wiesmann

DATE _____

Weibo Wang_____
Witness Signature

DATE _____

Mika K. Lindvall

DATE _____

Jiong Lan

DATE _____

Savithri Ramurthy

DATE _____

Anu Sharma

PATENT

Atty. Docket No. 28190.0003

DATE _____

Elizabeth J. Mieuli

Witness Signature

DATE _____

Liana M. Klivansky

Witness Signature

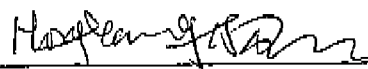
DATE _____

William P. Lenahan

DATE _____

Susan Kaufman

DATE 06/18/07


Hong Yang


Witness Signature

DATE _____

Simon C. Ng

DATE _____

Keith Pfister

DATE _____

Allan Wagman

Witness Signature

DATE _____

Victoria Sung

DATE _____

Martin Sendzik

PATENT

Atty. Docket No. 28190.0003

ASSIGNMENT

WHEREAS, We, James C. Sutton, Marion Wiesmann, Weibo Wang, Mika K. Lindvall, Jiong Lan, Savithri Ramurthy, Anu Sharma, Elizabeth J. Mieuli, Liana M. Klivansky, William P. Lenahan, Susan Kaufman, Hong Yang, Simon C. Ng, Keith Pfister, Allan Wagman, Victoria Sung, and Martin Sendzik, hereinafter referred to as *ASSIGNORS*, have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: 6-O-SUBSTITUTED BENZAZOLE AND BENZOTHAZOLE
COMPOUNDS AND METHODS OF INHIBITING CSF-1R SIGNALING

Date(s) of Execution: August 24, 2007 Filing Date: April 18, 2007

Serial No: 11/737,069

WHEREAS, NOVARTIS VACCINES AND DIAGNOSTICS, INC., 4560 Horton Street, Emeryville, California 94608-2916, a corporation of the State of Delaware, hereinafter referred to as *ASSIGNEE*, is desirous of acquiring the entire right, title and interest in the above invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to *ASSIGNORS* by *ASSIGNEE*, receipt of which is hereby acknowledged, *ASSIGNORS* have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said *ASSIGNEE*, and *ASSIGNEE'S* successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions (including conversions claiming priority under 35 U.S.C. §119(e)), reissues, prolongations or extensions thereof, the said interest to be held and enjoyed by said *ASSIGNEE* as fully and exclusively as it would have been held and enjoyed by said *ASSIGNORS* had this assignment and transfer not been made, to the full end and term of any Letters Patent.

PATENT

Atty. Docket No. 28190.0003

ASSIGNORS also agree that the U.S. application number may be entered above by *ASSIGNEE* or its agents upon designation of the application number by the U.S. Patent and Trademark Office.

ASSIGNORS further agree that they will without charge to said *ASSIGNEE*, but at *ASSIGNEE'S* expense, cooperate with *ASSIGNEE* in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as *ASSIGNEE* lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said *ASSIGNEE*, or *ASSIGNEE'S* successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNORS have hereunto signed their names to this assignment on the dates indicated below.

DATE _____

James C. Sutton

DATE _____

Marion Wiesmann

DATE _____

Weibo Wang_____
Witness Signature

DATE _____

Mika K. Lindvall

DATE _____

Jiong Lan

DATE _____

Savithri Ramurthy

DATE _____

Anu Sharma

PATENT

Atty. Docket No. 28190.0003

DATE August 24, 2007

Elizabeth J. Mieuli
Elizabeth J. Mieuli

Erik S. Bevan
Witness Signature

DATE _____

Liana M. Klivansky

Witness Signature

DATE _____

William P. Lenahan

DATE _____

Susan Kaufman

DATE _____

Hong Yang

Witness Signature

DATE _____

Simon C. Ng

DATE _____

Keith Pfister

DATE _____

Allan Wagman

Witness Signature

DATE _____

Victoria Sung

DATE _____

Martin Sendzik