

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Gary M. Dull</td><td>07/17/2007</td></tr><tr><td>Julio A. Munoz</td><td>07/17/2007</td></tr></tbody></table>		Name	Execution Date	Gary M. Dull	07/17/2007	Julio A. Munoz	07/17/2007						
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Julio A. Munoz	07/17/2007												
RECEIVING PARTY DATA													
<table border="1"><tr><td>Name:</td><td>Targacept, Inc.</td></tr><tr><td>Street Address:</td><td>200 East First Street</td></tr><tr><td>Internal Address:</td><td>Suite 300</td></tr><tr><td>City:</td><td>Winston-Salem</td></tr><tr><td>State/Country:</td><td>NORTH CAROLINA</td></tr><tr><td>Postal Code:</td><td>27101</td></tr></table>		Name:	Targacept, Inc.	Street Address:	200 East First Street	Internal Address:	Suite 300	City:	Winston-Salem	State/Country:	NORTH CAROLINA	Postal Code:	27101
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PROPERTY NUMBERS Total: 1													
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CORRESPONDENCE DATA													
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Total Attachments: 2 source=13308715801asg#page1.tif													

OP \$40.00 11745682

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PATENT
REEL: 019589 FRAME: 0336

ASSIGNMENT

Whereas, we, **Gary M. Dull** of **Lewisville, North Carolina** and **Julio A. Munoz** of **Walnut Cove, North Carolina** have invented a new and useful Improvement in a

NOVEL POLYMORPH FORMS OF (2S)-(4E)-N-METHYL-5-[3-(5-ISOPROPOXYPYRIDIN)YL]-4-PENTEN-2-AMINE

for which a nonprovisional application for United States Letters Patent was filed on **May 8, 2007** and assigned Serial No. **11/745,682** claiming priority to provisional application, filed on **May 9, 2006** and assigned Serial No. **60/746,821**.

Now, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration paid to us by Targacept, Inc. (Targacept), a corporation organized under the laws of the State of Delaware, having a principal place of business at 200 East First Street, Suite 300, Winston-Salem, North Carolina 27101, the receipt whereof is hereby acknowledged, we do hereby assign, sell, and transfer unto Targacept, its successors and assigns, our entire right, title, and interest in the invention and applications (including all inventions disclosed therein) for the United States and all countries foreign thereto, and any Letters Patent which may issue therefor in the United States and all countries foreign thereto and all divisions, reissues, continuations, extensions thereof. The Commissioner of Patents and Trademarks is requested to issue such Letters Patent in accordance herewith.

As joint inventors, we covenant that we are lawful owners of the invention and application above mentioned, that our ownership is unencumbered, that we have granted no license to make, use, or sell the invention, and that we have the full right to make this assignment, and agree that we will communicate to the assignee or its representatives any facts known to us respecting the invention, and will, upon request, testify in any interference proceedings, sign all lawful papers, execute all divisional, continuing, or reissue applications, make all rightful oaths, and generally do everything which in the opinion of the assignee or its attorneys may be reasonably required to aid the assignee to obtain full protection for the invention.

17 July 2007
Date

Gary M. Dull (SEAL)
Gary M. Dull

07/17/2007
Date

Julio A. Muñoz (SEAL)
Julio A. Muñoz

Witness my hand and seal this 17th day of July, 2007

Notary Public

My commission expires: 8-4-07

State of North Carolina)
)
) : ss
County of Forsyth)

Witness my hand and seal this 17th day of July, 2007

Notary Public

My commission expires: 8-4-07