**PATENT ASSIGNMENT**

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<table>
<thead>
<tr>
<th>Submission Type</th>
<th>New Assignment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nature of Conveyance</td>
<td>Assignment</td>
</tr>
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</table>

### Conveying Party Data

<table>
<thead>
<tr>
<th>Name</th>
<th>Execution Date</th>
</tr>
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<tbody>
<tr>
<td>Pamela PALMER</td>
<td>03/29/2007</td>
</tr>
<tr>
<td>Thomas SCHRECK</td>
<td>03/29/2007</td>
</tr>
<tr>
<td>Stelios TZANNIS</td>
<td>03/29/2007</td>
</tr>
<tr>
<td>Larry HAMEL</td>
<td>03/29/2007</td>
</tr>
<tr>
<td>Andrew POUTIATINE</td>
<td>03/29/2007</td>
</tr>
</tbody>
</table>

### Receiving Party Data

- **Name:** AcelRx Pharmaceuticals, Inc.
- **Street Address:** 351 Galveston Dr
- **City:** Redwood City
- **State/Country:** CALIFORNIA
- **Postal Code:** 94063

**Property Numbers Total: 1**

<table>
<thead>
<tr>
<th>Property Type</th>
<th>Number</th>
</tr>
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<tbody>
<tr>
<td>Application Number</td>
<td>13561543</td>
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</tbody>
</table>

### Correspondence Data

- **Fax Number:** 2028427899
- **Email:** zpatdcdocketing@cooley.com
- **Correspondent Name:** Cooley LLP
- **Address Line 1:** 777 6th Street, NW
- **Address Line 2:** ATTN: Patent Group
- **Address Line 4:** Washington, District of Columbia 20001

### Attorney Docket Number

- **ACEL-011/10US 312523-2109**

### Name of Submitter

- **Andrew S. Keith**
ASSIGNMENT

WHEREAS, the undersigned,

Pamela Palmer, resident of 140 Vasquez Av., San Francisco, California, 94127;
Thomas Schreck, resident of 140 Willowbrook Dr., Portola Valley, California, 94028;
Stelios Tzannis, resident of 35241 Wycombe Pl., Newark, California, 94560;
Larry Hamel, resident of 1215 Arbor Ct., Mountain View, California, 94040; and
Andrew J. Poutiatine, resident of 28 Sir Francis Drake Blvd., San Anselmo, California, 94960

("referred to as "Inventor") have invented certain new and useful improvements in
"SMALL-VOLUME ORAL TRANSMUCOSAL DOSAGE FORMS" and has executed an application for
U.S. Application, having Serial No. 11/650,174, filing date of January 5, 2007, and

WHEREAS, AcelRx Pharmaceuticals, Inc. (hereinafter termed "Assignee"), a corporation
of the State of California, having a place of business at 575 Chesapeake Dr., Redwood City,
California, 94063, is desirous of acquiring the entire right, title and interest in and to said application
and the invention disclosed therein, and in and to all embodiments of the invention, heretofore
conceived, made or discovered by said Inventor (all collectively hereinafter termed "said invention"),
and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter
termed "patents") thereon granted in the United States and foreign countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by
said Inventor to have been received in full from said Assignee:

1. Said Inventor does hereby sell, assign, transfer and convey unto said Assignee, the
entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights
to apply for foreign patents on said invention pursuant to the International Convention for the
Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and
all patents granted on said invention in the United States or any foreign country, including each and
every application filed and each and every patent granted on any application which is a division,
substitution, or continuation of any of said applications; and (d) in and to each and every reissue or
extensions of any of said patents.

2. Said Inventor hereby covenants and agrees to cooperate with said Assignee to enable
said Assignee to enjoy to the fullest extent the right title and interest herein conveyed in the United
States and foreign countries. Such cooperation by said Inventor shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor, his/her respective heirs, legal representatives and assigns.

4. Said Inventor hereby warrants and represents that he/she has not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Inventor has executed and delivered this instrument to said Assignee.
Date 3/29/07

County of ______________________
State of ______________________ SS.

On this _______ day of ________________, in the year 2007, before me, ______________________, Notary Public, personally appeared Pamela Palmer, personally known to me (or proved to me on the basis of evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature __________________________________________
(Notary Public)

Date March 29, 2007

County of ______________________
State of ______________________ SS.

On this _______ day of ________________, in the year 2007, before me, ______________________, Notary Public, personally appeared Thomas Schreck, personally known to me (or proved to me on the basis of evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature __________________________________________
(Notary Public)
Date 3/28/07  
By: [Signature]

County of ____________________________
State of ____________________________ SS.

On this _____ day of ____________________________, in the year 2007, before me, ____________________________, Notary Public, personally appeared Stelios Tsannis, personally known to me (or proved to me on the basis of evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.  
Seal

Signature ____________________________
(Notary Public)

Date 3-29-07  
By: [Signature]

County of ____________________________
State of ____________________________ SS.

On this _____ day of ____________________________, in the year 2007, before me, ____________________________, Notary Public, personally appeared Larry Hamel, personally known to me (or proved to me on the basis of evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.  
Seal

Signature ____________________________
(Notary Public)
Date MARCH 29, 2007

County of MARIN
State of CALIFORNIA

On this ____ day of ________________, in the year 2007, before me, ____________________________, Notary Public, personally appeared Andrew I. Poutintine, personally known to me (or proved to me on the basis of evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature ____________________________
(Notary Public)