

## Imprimis Pharmaceuticals Inc

### CORTELLIS COMPANY DETAILED PIPELINE REPORT

A comprehensive coverage of the the company's drug pipeline portfolio including detailed product records.

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## GLOSSARY

### Number of Drugs in Active Development

Number of drugs associated with the company or subsidiary that are currently in active development, i.e. the development status for the drug(s) is one of the following: Discovery, Clinical, Phase I, Phase II, Phase III, Pre-registration, Registered, Launched, or Suspended.

### Number of Inactive Drugs

Number of drugs associated with the company or subsidiary that are currently classified as inactive, i.e. where the development status for the drug(s) is one of the following: No Development Reported, Discontinued, or Withdrawn.

### Number of Patents as Owner

Number of patents associated with the company where the company is listed as owner; i.e. the relationship type (or way the patent refers to the company) is: Patent Assignee/Owner, Patent owner (not assignee), Licensee for development and marketing, Licensee – marketing only (Distributor), Patent assignee of family member, Inferred assignee.

### Number of Patents as Third Party

Number of patents associated with the company where the company is listed as third party; i.e. the relationship type (or way the patent refers to the company) is: Patent assignee (not owner), Ex-Licensee for development and marketing, Ex-Licensee marketing only (Distributor), Customer of technology, Ex-Customer of technology, Patent opponent or infringer, Affiliate organization of inventor, Owner of underlying technology.

### Patents summary table

This table represents a summary of the core patent coverage for this company covering Therapeutic EP, US and WO patents since 1990 only.

### Number of Deals

A count of deals where the company or one of its subsidiaries is the primary company.

### Key Indications

Displays top ten key indications for the company and its subsidiaries based on frequency (indications occurring with high and identical frequency are always included, and this may result in more than ten Key Indications being listed). Includes both indications associated with patents where the company is patent owner and indications associated with drugs in active development. A drug is classified as 'active' if it features on a row (or rows) in the current development status table where the status is one of the following: Discovery, Clinical, Phase I, Phase II, Phase III, Pre-registration, Registered, Launched, or Suspended.

### Key Target-based Actions

Displays top ten key target-based actions for the company and its subsidiaries based on frequency (actions occurring with high and identical frequency are always included, and this may result in more than ten Key Target-based Actions being listed). Includes both target-based actions associated with patents where the company patent owner and target-based actions associated with drugs in active development. A drug is classified as 'active' if it features on a row (or rows) in the current development status table where the status is one of the following: Discovery, Clinical, Phase I, Phase II, Phase III, Pre-registration, Registered, Launched, or Suspended. A target-based action is one that is associated with a target.

### Key Technologies

Displays top ten key technologies for the company and its subsidiaries based on frequency (technologies occurring with high and identical frequency are always included, and this may result in more than ten Key Technologies being listed). Includes both key technologies associated with patents where the company relationship is patent owner and key technologies associated with drugs in active development. A drug is classified as 'active' if it features on a row (or rows) in the current development status table where the status is one of the following: Discovery, Clinical, Phase I, Phase II, Phase III, Pre-registration, Registered, Launched, or Suspended.

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# Imprimis Pharmaceuticals Inc

## COMPANY OVERVIEW

<b>Company Name</b>	Imprimis Pharmaceuticals Inc
<b>Parent Company Name</b>	Imprimis Pharmaceuticals Inc
<b>Website</b>	<a href="http://www.transdelpharma.com">http://www.transdelpharma.com</a>
<b>Country</b>	US
<b>Number of Drugs in Active Development</b>	1
<b>Number of Inactive Drugs</b>	0
<b>Number of Patents as Owner</b>	0
<b>Number of Patents as Third Party</b>	0
<b>Number of Deals</b>	8
<b>Key Indications</b>	Pain
<b>Key Target-based Actions</b>	Cyclooxygenase inhibitor
<b>Key Technologies</b>	Dermatological formulation, Emulsion dermatological, Small molecule therapeutic, Transdermal formulation

## COMPANY PROFILE

### SUMMARY

Imprimis Pharmaceuticals Inc (formerly Transdel Pharmaceuticals) aims to develop and commercialize non-invasive topical therapeutics. In January 2009, the company planned to expand its business to include topical cosmetics and cosmeceuticals.

In February 2011, the company was considering strategic options such as partnering or collaboration agreements, a merger, equity or debt financing or sale of the company, in order to increase shareholder value and continue development of TDLP-110. The company was consulting two investment banks regarding the strategic alternatives. In June 2011, Cardium Therapeutics agreed to acquire all of Transdel's business assets under Chapter 11 of the US Bankruptcy Code for up to \$4 million. By April 2012, the company had changed its name to Imprimis Pharmaceuticals.

### ACQUISITIONS AND SPIN-OFFS

In June 2011, Cardium Therapeutics agreed to acquire all of Transdel's business assets under Chapter 11 of the US Bankruptcy Code for up to \$4 million. The deal would include Transdel's topical analgesic, TDLP-110, and royalty-bearing license agreements from the company's cosmeceutical business. The \$4 million would be paid in unregistered Cardium shares priced at a minimum of \$0.50 per share with \$1 million being a contingent value payment to be held in escrow (for five years) pending FDA approval of TDLP-110. Transdel's Ketotransdel and related drug delivery technology assets would be managed by a new wholly owned subsidiary of Cardium whereas its cosmeceutical operations would be transferred to Cardium's MedPodium division. At that time, the transaction was subject to approval by the bankruptcy court. By July 2011, the companies had requested the bankruptcy court approve the sale under Section 363 which would avoid filing a plan subject to approval by creditors and in support of this Transdel's major creditor filed a declaration in favor of the purchase. However, later in July 2011, the creditor opposed the sale, potentially to offer a plan of its own, leading to denial of approval by the court. At that time, Cardium planned to continue to assess its options regarding the acquisition and other business opportunities under consideration. By April 2012, the company had changed its name to Imprimis Pharmaceuticals and received financing. At that time, it was presumed the proposed acquisition had been terminated.

In October 2007, Transdel completed a merger and began trading under 'TDLP' on the OTC Bulletin Board.

### LICENSING AGREEMENTS

In June 2009, JH Direct acquired the exclusive worldwide rights to Transdel Pharmaceuticals' anti-cellulite cosmeceutical product which uses Transdel's transdermal delivery system technology, Transdel. Transdel would receive initial royalty advances and a continuing licensing royalty on the worldwide sales.

### FINANCIAL

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In April 2012, Imprimis raised net proceeds of approximately \$7.95 million in a private placement of stock and three year warrants. Each unit was priced \$0.79 and consisted of one share of common stock and a 25% warrant, to purchase additional common shares of Imprimis at \$1.185 per share. Also, the company had the unilateral right to call for the mandatory exercise of the warrants with 90 days notice to the holders, following Impracor approval. At that time, the company intended to file an application to NASDAQ 'in the coming months', for the listing of its shares.

In April 2010, Transdel raised \$1 million from a private debt financing. The company issued a 2-year senior convertible promissory note with an annual interest rate of 7.5%.

In May 2008, Transdel raised \$4 million from closing a private placement of 1,818,180 shares priced at \$2.20 each and warrants to buy 227,272 shares for \$4.40 or \$5.50 each.

In September 2007, the company raised \$4 million from a stock sale.

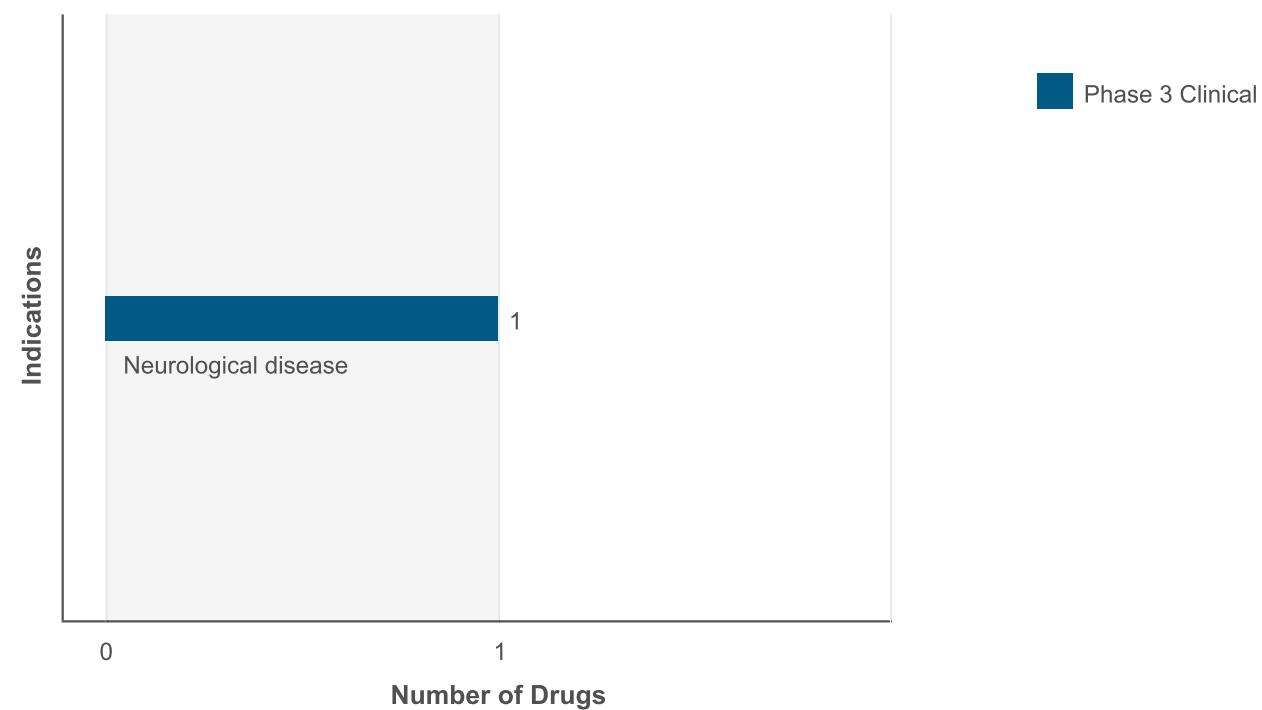
In June 2007, the company raised \$1.5 million from a note sale.

PRODUCT PORTFOLIO SUMMARY

DRUGS

Drugs by Indication

Active Drugs by Indication Chart



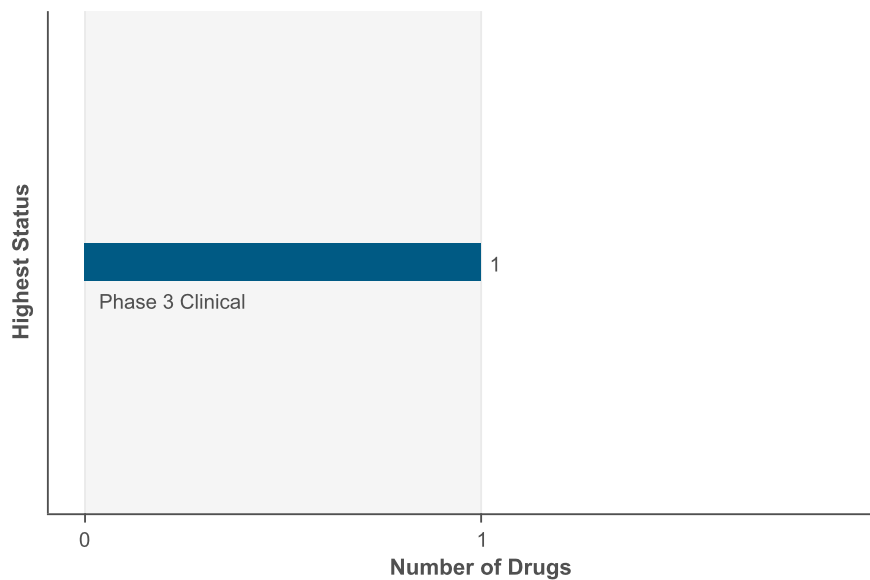
Drugs by Indication Table

Indication	Active	Inactive	Total
Neurological disease	1	0	1

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## Drugs by Highest Status

Active Drugs by Highest Status Chart



Drugs by Highest Status Table

Development Status	Number of Drugs
Phase 3 Clinical	1

## DEALS

Deal Type	Principal		Partner		Total
	Active	Inactive	Active	Inactive	
Drug - Funding	1	0	0	0	1
Drug - Manufacturing/Supply	0	0	1	0	1
Drug - Development Services	0	0	3	0	3
Technology - Delivery/Formulation	3	0	0	0	3

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## PRODUCT PORTFOLIO DRUG PIPELINE DETAIL

**PLEASE NOTE:** Highest status refers to highest development of that drug for one of the active companies

### ketoprofen (topical cream, pain), Imprimis

#### ketoprofen (topical cream, pain), Imprimis SNAPSHOT

<b>Drug Name</b>	ketoprofen (topical cream, pain), Imprimis
<b>Key Synonyms</b>	Ketotransdel;Impracor;ketoprofen
<b>Originator Company</b>	Imprimis Pharmaceuticals Inc
<b>Active Companies</b>	Imprimis Pharmaceuticals Inc
<b>Inactive Companies</b>	
<b>Highest Status</b>	Phase 3 Clinical
<b>Active Indications</b>	Pain
<b>Target-based Actions</b>	Cyclooxygenase inhibitor
<b>Other Actions</b>	Non-steroidal anti-inflammatory;Leukotriene synthesis inhibitor;PG synthesis inhibitor;Analgesic
<b>Technologies</b>	Transdermal formulation;Dermatological formulation;Emulsion dermatological;Small molecule therapeutic
<b>Last Change Date</b>	20-Sep-2012

#### ketoprofen (topical cream, pain), Imprimis DEVELOPMENT PROFILE

##### SUMMARY

Imprimis Pharmaceuticals (previously Transdel Pharmaceuticals) is developing a topical cream formulation of the COX-inhibiting NSAID ketoprofen (TDLF-110; Ketotransdel, Impracor), using its Transdel technology, for the potential treatment of pain. In June 2009, the company planned to pursue FDA approval of the drug for other indications, such as osteoarthritis. In October 2009, positive data were reported from a phase III trial for acute pain. In May 2010, a second phase III trial was planned. In April 2012, discussions with the FDA was ongoing for an IND filing and using the 505(b)(2) regulatory pathway. By September 2011, Transdel was seeking to outlicense the drug to a commercial partner.

#### ketoprofen (topical cream, pain), Imprimis DEVELOPMENT STATUS

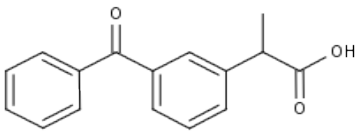
##### CURRENT DEVELOPMENT STATUS

Company	Indication	Country	Development Status	Date
Imprimis Pharmaceuticals Inc	Pain	US	Phase 3 Clinical	16-Jun-2008

#### ketoprofen (topical cream, pain), Imprimis CHEMICAL STRUCTURES

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CAS Registry Number:	Confidence Level:
22071-15-4	1
	
Name	Type
ketoprofen	BANN; INN; USAN
HKT-500	Research Code
TDT-070	Research Code
ELS-115	Research Code
NAL-1216	Research Code

### ketoprofen (topical cream, pain), Imprimis DRUG NAMES

Names	Type
ketoprofen (topical cream, pain), Transdel	
Ketotransdel	Trade Name
Impracor	Trade Name
TDLP-110	Research Code
ketoprofen	INN, BANN, USAN
ketoprofen (topical cream, pain), Imprimis	

### ketoprofen (topical cream, pain), Imprimis CLINICAL TRIALS

#### Trials by Phase and Condition Studied

Phase 4 Clinical		Phase 3 Clinical		Phase 2 Clinical		Phase 1 Clinical		Phase Unspecified		Total	
On-going	All	On-going	All	On-going	All	On-going	All	On-going	All	On-going	All
Pain											
0	0	0	2	0	0	0	0	0	0	0	2

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## Total Trials by Phase and Status

Phase 4 Clinical		Phase 3 Clinical		Phase 2 Clinical		Phase 1 Clinical		Phase Unspecified		Total	
On-going	All	On-going	All	On-going	All	On-going	All	On-going	All	On-going	All
Total by Phase and Status											
0	0	0	2	0	0	0	0	0	1	0	3

### Phase Definitions

#### Phase 3 Clinical

Includes Phase 3, Phase 3b, Phase 3a, Phase 2/3 (where enrolment count is 300 or over)

#### Phase 2 Clinical

Includes Phase 2, Phase 2a, Phase 2b, Phase 1/2 (where enrolment count is 100 or over), Phase 2/3 (where enrolment count is under 300 or not specified)

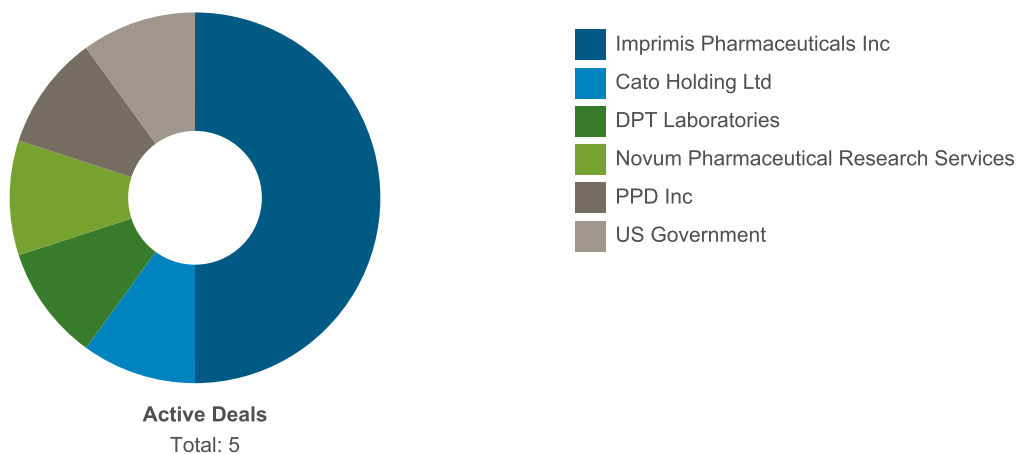
#### Phase 1 Clinical

Includes Phase 1, Phase 1a, Phase 1, Phase 1/2 (where enrolment count is under 100 or not specified), Phase 0

## ketoprofen (topical cream, pain), Imprimis DEALS AND PATENTS

### DEALS

#### Deals by Parent Company Chart

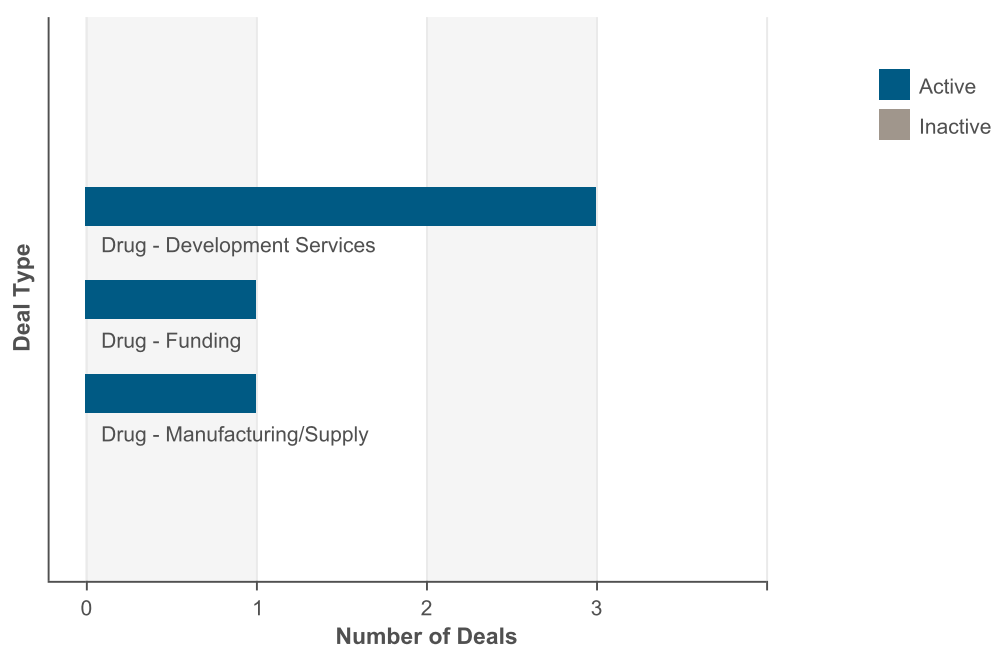


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## Deals by Parent Company Table

Company Name	Principal		Partner		Total
	Active	Inactive	Active	Inactive	
Imprimis Pharmaceuticals Inc	1	0	4	0	5
Novum Pharmaceutical Research Services	1	0	0	0	1
Cato Holding Ltd	1	0	0	0	1
DPT Laboratories	1	0	0	0	1
PPD Inc	1	0	0	0	1
US Government	0	0	1	0	1

## Deals by Type Chart



## Deals by Type Table

Deal Type	Active	Inactive	Total
Drug - Development Services	3	0	3
Drug - Manufacturing/Supply	1	0	1
Drug - Funding	1	0	1

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