

**ASX/Media Release**

**4 May 2017**

**Botanix presents at Investor Seminar**

- Botanix presents at the Shaw and Partners Investor Seminar
- Botanix showcased the BTX1503 acne program and initiation of first clinical trial within coming weeks

**Sydney 4 May March 2017:** Medical dermatology company Botanix Pharmaceuticals Limited (“Botanix” or the “Company”) is pleased to release a new presentation, which Botanix Executive Director, Matt Callahan, presented at the Shaw and Partners Investor Seminar last evening.

The presentation at the seminar was used to provide an update on the Company’s lead clinical development program, involving the use of synthetic cannabidiol for the treatment of acne. Botanix was also able to showcase its rapid operational progress towards first clinical studies, which are expected to commence in the coming weeks. Completion of this first study will be closely followed by an Australian pilot study in acne patients.

**About Botanix Pharmaceuticals**

Botanix Pharmaceuticals is dedicated to developing next generation therapeutics for the treatment of serious skin diseases. Our mission is to improve the lives of patients battling acne, psoriasis and atopic dermatitis, by providing new treatment options for conditions that currently are inadequately addressed or are treated with therapeutics that are burdened with side effects profiles. Botanix is harnessing the untapped potential of a synthetic active pharmaceutical ingredient known as cannabidiol, which has a well-established safety profile. Botanix is preparing for the first human trials with synthetic cannabidiol utilising a proprietary drug delivery system (Permetrex™) for direct skin delivery of the therapy in 1H 2017 and plans to progress the development of its pipeline of other Permetrex enabled products alone, or in collaboration with partners.

For more information on Botanix, please visit [www.botanixpharma.com](http://www.botanixpharma.com) or follow us on Twitter @Botanixpharma.

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# botanix

PHARMACEUTICALS



RESTORING HEALTHY SKIN

Shaw and Partners  
Medical Cannabis Conference  
May 2017



# Investment highlights

Botanix is one of the most compelling emerging companies on the ASX

## Dermatology Focused

- Multi-billion dollar market with no new products approved in last 20 years (for acne)
- Faster development pathway for dermatology products, drives lower costs and much quicker timeline to approval

## Novel Approach

- Lead products based on synthetic form of cannabidiol - greatly enhances the probability of clinical and regulatory success
- Exclusive global rights to use Permetrex™ delivery technology for all skin diseases with potential to deliver near term revenues

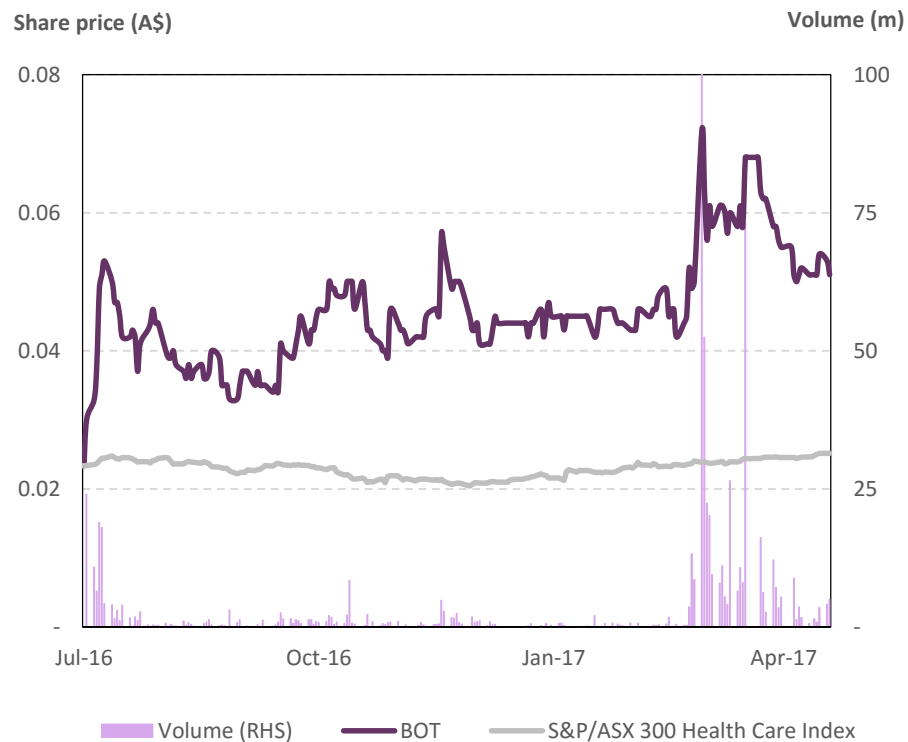
## Experienced Team

- Predominantly US based leadership team with 20+ FDA approvals between them
- Have advanced lead product from formulation to clinical trials in 9 months, and also created 5 new products using Permetrex™ delivery technology



## Innovative medical dermatology company with a clear path to commercialisation

Shareholder	%
Matthew Callahan – <i>Executive Director</i>	13.9
Caperi Pty Ltd – <i>Co-founder</i>	13.9
Board and management (excl. shareholders above)	4.0





# Senior leadership: track record of success

Proven industry professionals with experience in rapid development of pharmaceuticals



**Mr Matthew Callahan**  
Executive Director



*corporate + IP*

- Developed **3 products to date that have received FDA approval, 1 pending approval**
- Previous investment director of 2 venture capital firms investing in life sciences



**Dr Bill Bosch**  
Executive Director



*manufacturing + IP*

- **6 FDA approved products** and inventor of the iCeutica SoluMatrix Technology
- Founder of NanoSystems and co-inventor of drug delivery technology NanoCrystal



**Dr Michael Thurn**  
Chief Operating Officer



*ops + regulatory*

- Extensive start up life sciences experience across a range of technology platforms
- Previous MD of Spinifex Pharmaceutical, which sold to Novartis for A\$700m



**Dr Mark Davis**  
VP Clinical and regulatory



*regulatory + clinical*

- 30 years clinical experience with 19 FDA approved products across dermatology
- Former clinical lead with Medicis and Connetics and FDA experience with cannabidiol

**20+ FDA approved products  
credited to the broader Botanix  
leadership team**





# Botanix's market positioning

Farming



Whole plant or  
extract



Health, Cosmetics  
Veterinary



Long development  
cycle



Making products



Single chemical



Regulated pharmaceuticals



Fast path to market



# Botanix's acne product – BTX 1503

Topically applied gel for the treatment of moderate and severe acne



Stops excessive oil or  
'sebum' production



Reduces inflammation



Blocks cell proliferation



Attacks bacteria




**BTX 1503 targeting a benign side effect profile**

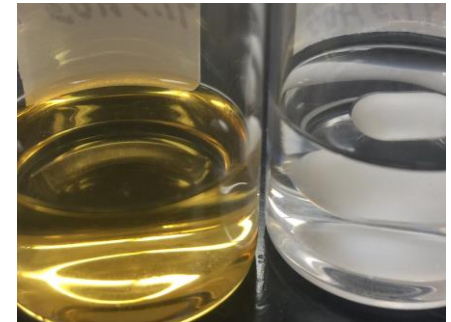




# Key advantage 1 – synthetic material

Use of synthetic cannabidiol greatly increases the chance of clinical success and regulatory approval, at a much lower COGS than naturally extracted material

	
Synthetic cannabidiol	Naturally extracted cannabidiol
1 chemical	100+ chemicals
100% pure	Multiple impurities (anything above 0.05% needs to be identified and tested)
Scaled up to 50kg	Scaled up to <1kg
No additional compliance required	Must comply with FDA's "Botanical Drug Development Guidance for Industry" <sup>1</sup>



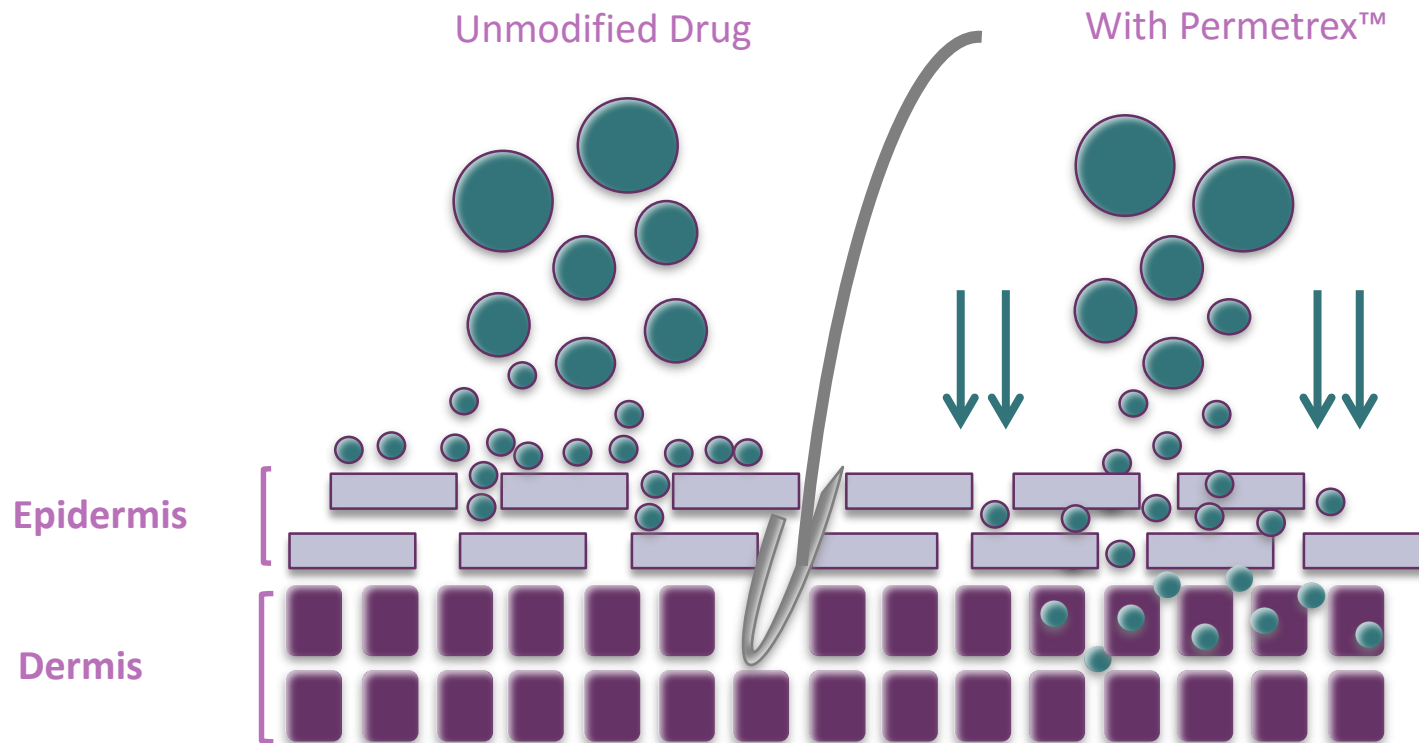
**Only synthetic cannabidiol drug material has been registered with FDA –  
no botanical extracts**

1. Botanical Drug development – Guidance for Industry. FDA



## Key advantage 2 – drug delivery

Permetrex™ technology drives synthetic cannabidiol directly into the skin – oral administration only delivers ~6% to the blood, most of which does not get to skin organs



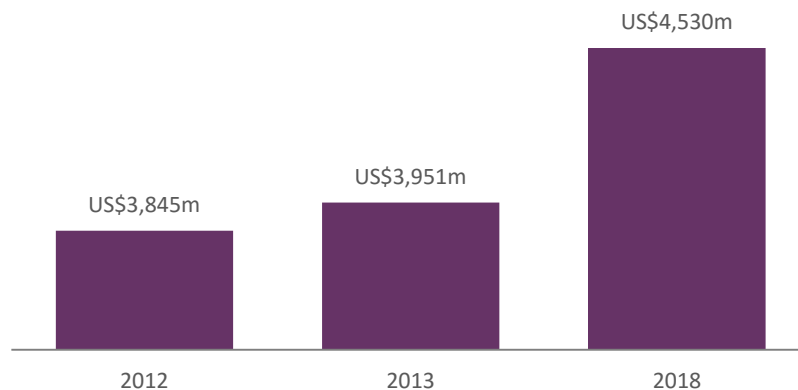
Botanix holds the **exclusive rights** to utilise Permetrex™ for all drugs that treat skin diseases



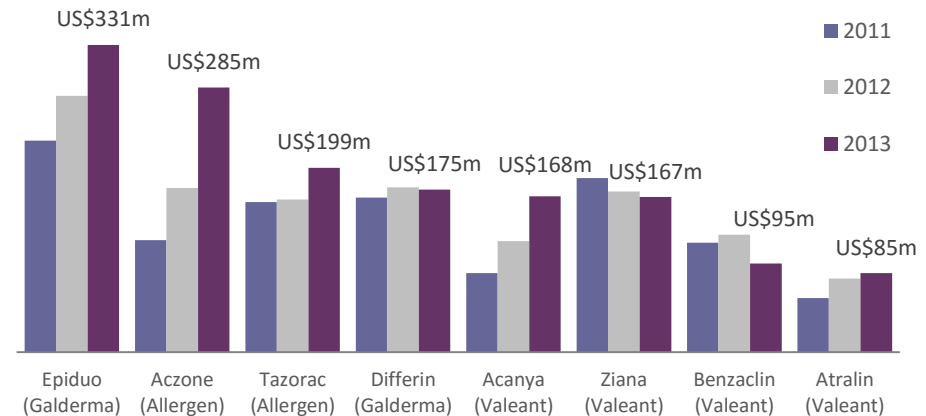
# Significant and growing market opportunity

Global market for acne prescription products market expected to grow to >US\$4.5bn and is only a subset of the global dermatology opportunity

*Value of the global acne prescription market is expected to reach US\$4.5bn by 2018<sup>1</sup>*



*Top branded acne products containing only generic drugs have achieved revenues of up to >US\$300m p.a.<sup>2</sup>*



- **No new chemical entities approved by the FDA in the last 20 years for the treatment of acne**
- Only “new” products in this period were **combinations of old drugs in new formulations**
- Little development underway, with **very few products currently in the development pipeline**

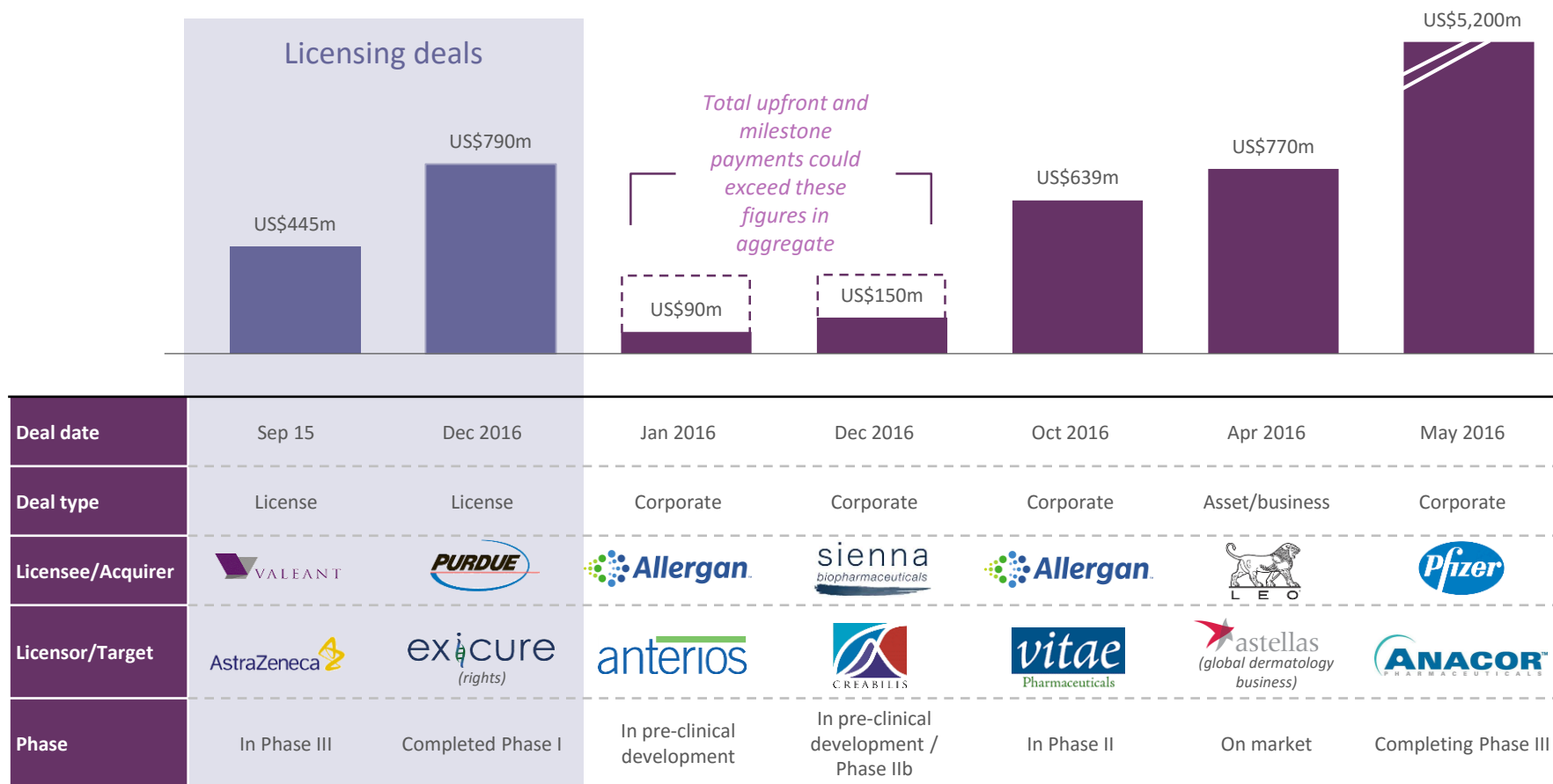
1. BCC Research, May 2013. Skin Disease Treatment and Global Markets  
2. Symphony Health Solutions, Pharmaceutical Audit Suite for 2012 as reported in Demira S1



# Recent dermatology transactions

Licensing and partnering transactions are potential monetisation options

## Dermatology transactions

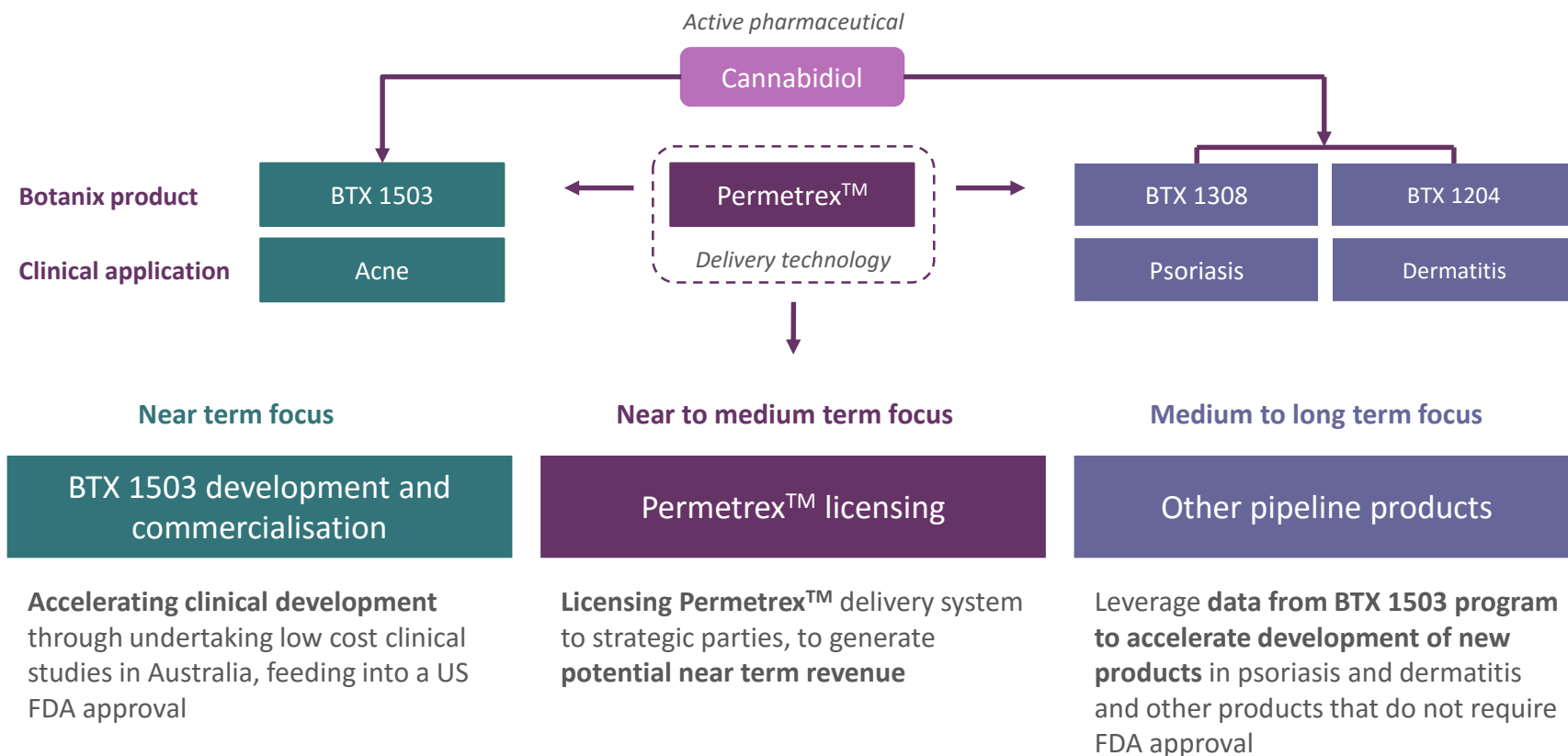


Source: Bloomberg, Company disclosure



# Strategic and commercialisation focus

Primary strategy is commercialising BTX 1503, with a supportive pipeline of other medical dermatology products and opportunities for near term revenue generation

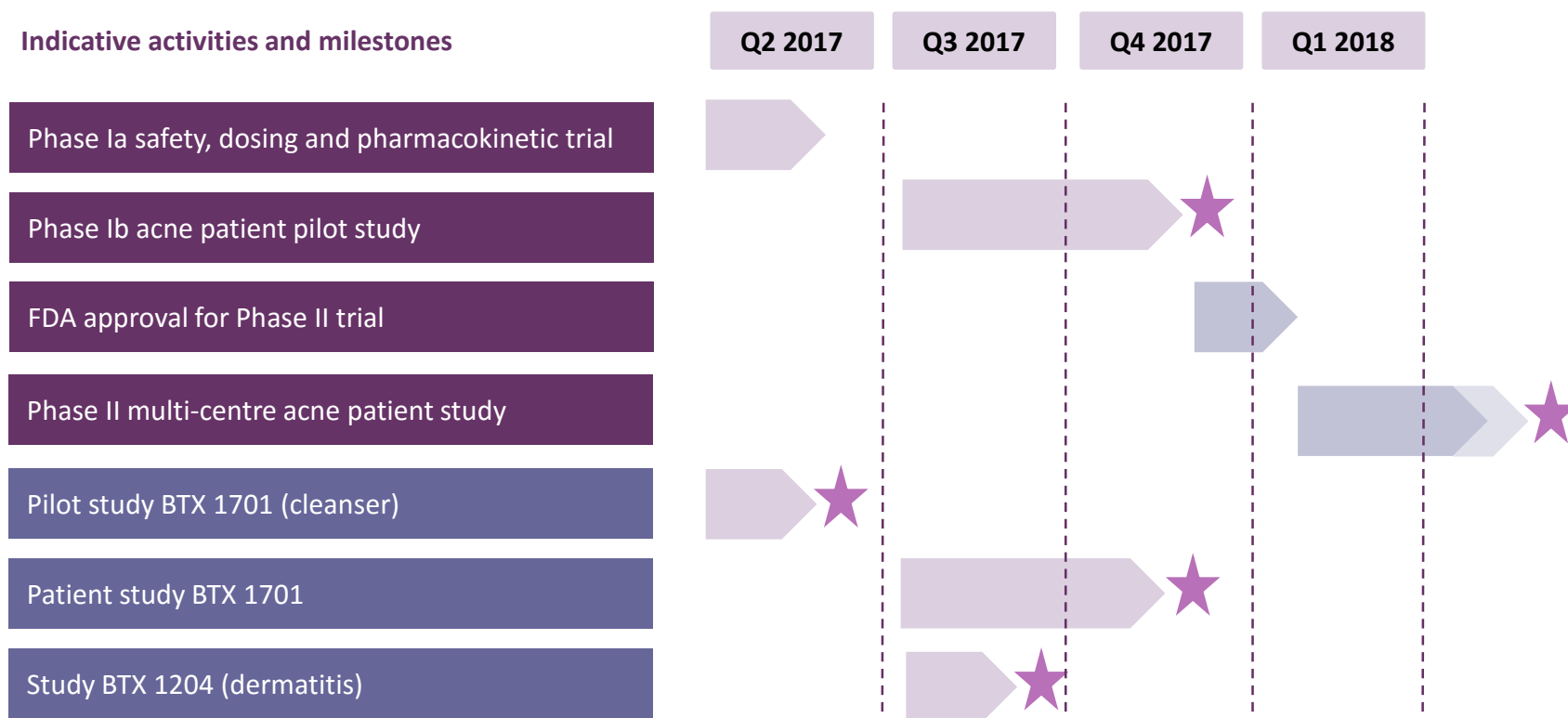




# Botanix key catalysts

Significant operational milestones expected over the next 9 months, as Botanix launches first human studies and accelerates corporate development

## Indicative activities and milestones



Clinical milestones where potential licensing deals may be considered



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