

SPEC BUY

Current Price	4.60
Valuation	9.50

Ticker: Sector:	Bic	BOT.ASX otechnology
Shares on Issue (m): Market Cap (\$m): Net Debt / (Cash) (\$m): Enterprise Value (\$m):		543.1 25.0 -4.2 20.7
52 wk High/Low: C 12m Av Daily Vol (m):	0.07	0.04 2.74
Risk adjusted valuation (NPVs): BTX 1503 (\$m) BTX 1204 (\$m) BTX 1308 (\$m) BTX 1701 (\$m) Less: Corporate Costs (\$m) Add: Unpaid Capital (\$m)		27.3 14.0 11.0 10.3 -6.9 40.4
Total portfolio (\$m) Assumed dilution (%)		96.1 51%
Diluted Portfolio Value (\$m) Add: Current Cash (\$m)		47.4 4.2
Valuation (\$m)		51.6

Financials:

	3Q FY17	4Q FY17	1Q FY18
Op CF (\$m)	-0.8	-2.8	-1.5
Inv CF (\$m)	0.0	0.0	0.0
Fin CF (\$m)	0.0	7.0	-0.0
Net CF (\$m)	-0.8	4.2	-1.5
Cash (\$m)	1.5	5.7	4.2
Shareholders:			
Matthew Calls	ahan (Exec	Director)	13.0%

Caperi Pty Ltd (Co-founder) 1	3.0%
Other board & management	3.0%

Share Price Graph



SNAPSHOT

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Friday, 3 November 2017

Botanix (BOT)

Pipeline Starting to Flow

Analysts | Daniel Williamson | Ian Christie, CFA

Quick Read

BOT has maintained a strict development timeline, with results from its Phase 1b BTX 1503 acne study expected in early CY2018. In addition, BOT now has ethics approval to commence a Phase 1b patient study for its dermatitis treatment (BTX 1204) whilst other products for the treatment of acne (BTX 1701) and psoriasis (BTX 1308) remain in the pipeline. A diversified pipeline de-risks BOT's portfolio and adds value, underpinning our SPEC BUY call on a revised 9.5c valuation (previously 8.0c).

Event & Impact | Positive

Flagship study: BOT is currently progressing a Phase 1b pilot study for its flagship BTX 1503 acne treatment. The study is expected to be completed prior to the end of CY2017 with data available in early CY2018. Results will give the first indication of BTX 1503's efficacy in treating acne, albeit for a small 20-patient sample size.

Progressing dermatitis study: BOT has also received ethics approval to commence its first BTX 1204 dermatitis patient study. Dermatitis affects up to 25m people in the US, with current marketable treatments generating ~\$3.8bn p.a. in sales. The study will commence immediately with expected completion in 1H CY2018. BOT can move straight into a Phase 1b study for BTX 1204 based on successful Phase 1a data for its BTX 1503 acne treatment.

Prescription route: Management has reviewed commercialisation options for BTX 1701, a potential acne treatment. BOT now believes that the prescription market is the most commercially attractive option. We have adjusted our model accordingly, resulting in a ~15% uplift in our risk-adjusted valuation for the product. The uplift in value is muted due to significantly more risk and time associated with the FDA approvals process. By comparison, our forecast BTX 1701 approved asset value increases by 212% (see Page 2).

Permetrex-enabled opportunities: At the same time BOT is maintaining a strong development pipeline and potentially providing for near-term revenues through a number of paid collaborations to utilise the Permetrex[™] delivery technology. Whilst initial payments are small, potential exists for more substantial licensing fees in the future.

Eyewatering comparisons: The recent IPO of Sienna Biopharmaceuticals (NASDAQ:SNNA) provides for an eyewatering comparison (see Page 3). Sienna has a topical treatment for psoriasis currently in a Phase 2b study. Its most recent market cap was US\$409m. Whilst more advanced than BOT, the lofty market cap does give an indication of the substantial value uplift if products navigate the FDA approvals process, de-risking along the way.

Recommendation

SPEC BUY maintained on a risk-adjusted valuation of 9.5c per share (previously 8.0c).

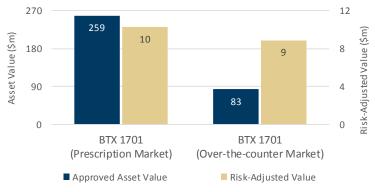
It is evident that the prescription pathway is the most commercially attractive route for BTX 1701...

Prescription route provides valuation uplift

Whilst we agree that the prescription pathway, through the FDA approvals process, provides the most commercially attractive option, the risk-adjusted value uplift in our model is somewhat muted due to elevated risks and time to approval.

However, as shown in Figure 1 below, the value uplift as BOT progress the FDA approvals process is more than evident. By our estimates the approved asset value increases approximately 212% as a result of targeting the prescription market over adopting the OTC pathway.





... but elevated risks mute the impact on our 'risk-adjusted' valuation for the asset

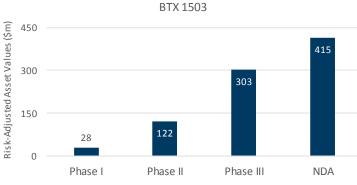
Source: Argonaut forecasts

Upside as products navigate approvals process

It should be noted that our valuation increases substantially as BOT moves through the approvals process. This is because successful clinical trials substantially de-risk the candidate drug and, as such, the likelihood of approval increases from phase to phase.

The value uplift as products progress through clinical trials is demonstrated in Figure 3 below. For BOT's flagship acne product (BTX 1503) the risk-adjusted asset value increases from A\$28m post successful Phase 1 trials, to A\$122m post successful Phase 2 trials, to over A\$300m post successful Phase 3 trials. The final approved asset value to BOT shareholders is potentially A\$415m (pending a successful New Drug Application [NDA]).





Successful trials provide key inflection points for substantial value uplift of candidate products

Our valuation adjusts likely asset

values for the significant risks associated with the FDA process The potential prize for BOT shareholders is highlighted by market valuations of NASDAQ listed companies with products in latter stages of FDA approval



Comps – Big market caps and even bigger deals

Company	Treatments	Market Cap
Sienna Biopharmaceuticals (NASDAQ:SNNA), IPO on NASDAQ in July 2017	Topical treatment for pruritus and psoriasis (SNA- 120), currently in Phase IIb trials Topical treatment for atopic dermatitis, psoriasis and pruritus (SNA-125), currently in pre-clinical development Class II medical device for treatment of acne (SNA-001), application filed for FDA 510(k) clearance	US\$409m
Dermira Inc (NASDAQ:DERM), IPO on NASDAQ in March 2017	Injectable treatment for plaque psoriasis (CIMZIA), completed Phase III and currently awaiting NDA approval Topical treatment for primary axillary hyperhidrosis (or excessive sweating), completing Phase III trials Topical treatment for acne, currently in Phase III trials Injectable treatment for atopic dermatitis (Lebrikizumab), currently in Phase II trials	US\$1.1bn

Source: pharmamedtechbi.com

Table 2: Recent pharmaceutical deals in the dermatology space

Deal	Treatments	Deal Value
Roche offloads Lebrikizumab drug rights to Dermira in August 2017	Repurposed atopic dermatitis treatment (IL-13 drug Lebrikizumab), expected to go straight into Phase IIb study	US\$1.4bn
Allergan acquired Vitae Pharmaceuticals in October 2016	Oral psoriasis treatment (VTP-43742), in Phase II clinical trials Topical atopic dermatitis treatment (VTP-38543), in Phase II clinical trials	US\$639m
Sienna Biopharmaceuticals acquired Creabilis in December 2016	Topical psoriasis treatment (CT327), in Phase IIb clinical trials Topical atopic dermatitis treatment (CT340), in pre-clinical development	US\$150m
Allergan acquired Anterios in January 2016	Topical drug delivery technology (NDS [™]) Topical acne treatment (ANT-1207), in pre- clinical development	US\$90m
Leo Pharma acquired Astells global dermatology business in April 2016	Topical atopic dermatitis treatment (Protopic®), currrently on the market among other products for the treatment of acne and skin infections	~US\$770m
Pfizer acquired Anacor in May 2016	Topical atopic dermatitis treatment (Crisabarole), completing Phase III clinical trials	US\$5.2b
Purdue acquired drug rights from Exicure in December 2016	Topical psoriasis treatment (AST-005), completed Phase I clinical trials	US\$790m

Recent deals in the dermatology space range from US\$90m in the pre-clinical stage to US\$5.2bn for drugs completing Phase 3 trials

Source: pharmamedtechbi.com



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Important Disclosure

Argonaut acted as the Lead Manager to the Placement that raised \$7.4M in April 2017 and will receive fees commensurate with this service. Argonaut holds or controls 12.1M BOT Options exercisable at \$0.03 on or before 30 June 2019.

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