

UBS Investment Research Puma Biotechnology

Fast PhIII Path & Positive News at SABCS

■ What's changed? PhII combo data with Torisel & new HER2 mutations

Updated combo data for neratinib + Torisel demonstrated ~50% ORR (all PRs) at the MTD (240mg neratinib QD + 2mg weekly Torisel) and median PFS of 4.2mo in 4th line metastatic HER2+ pts. Add'l, data was presented on new mutations for HER2+ disease (spec., V777L, G309A, D796H, V842I & L755S). In these mutations, neratinib has IC₅₀s of ~2nm (lapatinib ~400-1,000nm), an indication of sig. neratinib activity. A PhII (NCT01670877) is underway for this ~4,000 pt pop.

■ Our analysis: 4th line Torisel combo provides fast path to market

From mgt., we learned PhII combo data was presented to FDA at an end-of-PhII mtg. FDA written notes outline PhIII: (1) Primary endpoints of ORR and OS, but ORR (assessed at wk 12) can be used for accelerated approval; (2) 3 arms: neratinib+Torisel, neratinib alone, or physician's choice. Mgt. plans to work with FDA on an SPA and initiate PhIII in ~2Q13. With 4th line SOC ORRs at ~10%, the 50% PhII neratinib ORR provides sig. confidence in an accelerated pathway and, in our opinion, is highly indicative that neratinib could be on the market in 2014.

■ Impact on the stock: Greater potential for upside in 2013

The updates from San Antonio provide more confidence that there are multiple upside drivers in 2013 with a reasonable chance of success. We can now add the 4th line PhIII and the HER2 mutations PhII to the already long list of PhIIs in CNS disease, neoadjuvant, HER mutated lung cancer and PhIII start as key 2013 events.

■ Valuation: We maintain our Buy and \$27 PT

Our PT is based on our sum-of-the-parts analysis.

-	12/11	12/12E	12/13E	12/14E
-	0	0	0	0
-	(10)	(64)	(31)	(50)
-	(10)	(64)	(30)	(48)
-	(1.32)	(2.98)	(1.03)	(1.58)
-	0.00	0.00	0.00	0.00
5-yr hist av.	12/11	12/12E	12/13E	12/14E
-	-	-	-	-
-	-	<-500	<-500	<-500
-	-	-7.1	-14.2	-9.4
-	-	NM	NM	NM
-	-	0.0	0.0	0.0
	5-yr hist av.	- 0 - (10) - (10) - (1.32) - 0.00 5-yr hist av. 12/11	- 0 0 (64) - (10) (64) - (10) (64) - (132) (2.98) - 0.00 0.00 5-yr hist av. 12/11 12/12E <-500 7.1 - NM	- 0 0 0 0 0 - 1 - 1 - 1 - 1 - 1 - 1 - 1

Source: Company accounts, Thomson Reuters, UBS estimates. (UBS) valuations are stated before goodwill-related charges and other adjustments for abnormal and economic items at the analysts' judgement.

Valuations: based on an average share price that year, (E): based on a share price of US\$19.38 on 07 Dec 2012 19:38 EST

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Global Equity Research

Americas	
Biotechnology	
12-month rating	Buy <i>Unchanged</i>
12m price target	US\$27.00 <i>Unchanged</i>
Price	US\$19.38
RIC: PBYI.N BBG: PBYI US	

9 December 2012

Trading data	
52-wk range	US\$22.60-11.00
Market cap.	US\$0.53bn
Shares o/s	27.5m (COM)
Free float	95%
Avg. daily volume ('000)	32
Avg. daily value (m)	US\$0.7

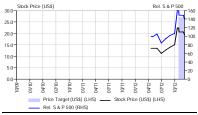
Balance sheet data 12/12E	
Shareholders' equity	US\$0.13bn
P/BV (UBS)	3.2x
Net Cash (debt)	US\$0.13bn

Forecast returns	
Forecast price appreciation	+39.3%
Forecast dividend yield	0.0%
Forecast stock return	+39.3%
Market return assumption	5.2%
Forecast excess return	+34 1%

EPS (UBS, US\$)

	12/	12E	12/11
	UBS	Cons.	Actual
Q1	(0.59)	(0.59)	
Q2	(0.73)	(0.74)	-
Q3	(1.29)	(1.29)	-
Q4E	(0.45)	(0.61)	-
12/12E	(2.98)	(2.92)	
12/13E	(1.03)	(2.24)	

Performance (US\$)



Source: UBS

www.ubs.com/investmentresearch

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Puma Biotechnology

Income statement (US\$m)	-	-	-	-	12/11	12/12E	% ch	12/13E	% ch	12/14E	% ch
Revenues	-	-	-	-	0 (10)	0	-	0	-	0	- (5.4
Operating expenses (ex depn)	-	-	-	-	(10)	(63)	518.8	(30)	-52.7	(49)	65.6
EBITDA (UBS)	-	-	-	-	(10)	(63)	518.8	(30)	-52.7	(49)	65.6
Depreciation	-	-	-	-	0	(1)	9244.0	(1)	5.0	(1)	5.0
Operating income (EBIT, UBS)	-	-	-	-	(10)	(64)	528.0	(31)	<i>-51.8</i>	(50)	63.5
Other income & associates	-	-	-	-	0	0	1554.7	0	1170.0	0	127.5
Net interest	-	-	-	-	0	0	1554.7	1	1178.0	2	137.5
Abnormal items (pre-tax)	-	-	-	-	0	0	-	0		0	-
Profit before tax	-	-	-	-	(10)	(64)	522.7	(30)	<i>-53.0</i>	(48)	61.6
Tax	-	-	-	-	0	0	-	0	-	0	-
Profit after tax	-	-	-	-	(10)	(64)	522.7	(30)	<i>-53.0</i>	(48)	61.6
Abnormal items (post-tax)	-	-	-	-	0	0	-	0	-	0	-
Minorities / pref dividends	=	=	-	-	0	0	-	0	-	0	-
Net income (local GAAP)	-	-	-	-	(10)	(64)	522.7	(30)	-53.0	(48)	61.6
Net Income (UBS)	-	-	-	-	(10)	(64)	522.7	(30)	-53.0	(48)	61.6
Tax rate (%)					0	0		0		0	
Pre-abnormal tax rate (%)	-	-	-	-	0	0		0	-	0	
Tre abnormal tax rate (70)					Ü	Ü		Ü		Ü	
Per share (US\$)	-	-	-	-	12/11	12/12E	% ch	12/13E	% ch	12/14E	% ch
EPS (local GAAP)	-	-	-	-	(1.32)	(2.98)	125.8	(1.03)	-65.4	(1.58)	53.6
EPS (UBS)	-	-	-	-	(1.32)	(2.98)	125.8	(1.03)	-65.4	(1.58)	53.6
Net DPS	-	-	-	-	0.00	0.00	-	0.00	-	0.00	-
Cash EPS	-	-	-	-	(1.32)	(2.93)	122.5	(1.00)	-66.1	(1.55)	<i>55.6</i>
BVPS	-	-	-	-	2.71	6.01	121.6	3.54	-41.2	1.92	-45.7
Balance sheet (US\$m)	-	-	-	-	12/11	12/12E	% ch	12/13E	% ch	12/14E	% ch
Cash and equivalents	-	-	-	-	53	125	135.0	97	-22.4	51	-47.7
Other current assets	-	-	-	-	0	0	0.0	0	0.0	0	0.0
Total current assets	-	-	-	-	54	126	134.3	98	-22.4	51	-47.6
Net tangible fixed assets	-	-	-	-	1	3	293.2	5	83.9	7	<i>51.2</i>
Net intangible fixed assets	-	-	-	-	0	0	-	0	-	0	-
Investments / other assets	-	-	-	-	1	1	0.0	1	0.0	1	0.0
Total assets	-	-	-	-	55	129	133.7	104	-20.0	60	-42.4
Trade payables & other ST liabilities	-	-	-	-	1	1	1.5	1	1.6	1	1.7
Short term debt	-	-	-	-	0	0	-	0	-	0	_
Total current liabilities	-	-	-	-	1	1	1.5	1	1.6	1	1.7
Long term debt	-	-	-	-	0	0	-	0	-	0	_
Other long term liabilities	-	-	-	-	0	0	0.0	0	0.0	0	0.0
Total liabilities	-	-	-	-	1	1	0.8	1	0.9	1	1.0
Equity & minority interests	-	-	-	-	54	128	136.2	103	-20.2	59	-42.8
Total liabilities & equity	-	-	-	-	55	129	133.7	104	-20.0	60	-42.4
Cash flow (US\$m)	-	-	-	-	12/11	12/12E	% ch	12/13E	% ch	12/14E	% ch
Net income	-	-	-	-	(10)	(64)	522.7	(30)	-53.0	(48)	61.6
Depreciation	-	-	-	-	0	1	9244.0	1	5.0	1	5.0
Net change in working capital	-	-	-	-	0	0	-97. <u>2</u>	0	10.0	0	10.0
			-				4.5	4	-50.0	4	10.0
Other (operating)	-				8	8	1.0	4			
Net cash from operations	<u>-</u>	-	-	-	(2)	(55)	2324.7	(25)	<i>-54.5</i>	(43)	72.3
Net cash from operations Capital expenditure	-	-	-	-	(2)				-54.5 10.0	(43) (4)	10.0
Net cash from operations	- - -	-	- - -	-	(2)	(55)	2324.7	(25)			
Net cash from operations Capital expenditure	- - - - -	- - - - -	- - - -	- - - -	(2) 0 0 (1)	(55) (3) 0 0	2324.7	(25) (3) 0		(4) 0 0	
Net cash from operations Capital expenditure Net (acquisitions) / disposals	- - - - -	-	- - - -	-	(2) 0 0	(55) (3) 0	2324.7	(25) (3) 0		(4)	
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Net cash from operations Capital expenditure Net (acquisitions) / disposals Other changes in investments Cash from investing activities Increase/(decrease) in debt Share issues / (repurchases) Dividends paid Other cash from financing Cash from financing activities Cash flow chge in cash & equivalents FX / non cash items		- - - - - - - - - - - -	- - - - - - - - -		(2) 0 0 (1) (1) 0 57 0 0 57	(55) (3) 0 0 (3) 0 130 0 0 130	2324.7 1088.9 - - 129.8 - - - - 127.8	(25) (3) 0 0 (3) 0 0 0 0 0 0	10.0 - - 10.0 - - - - -	(4) 0 0 (4) 0 0 0 0 0	10.0
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Net cash from operations Capital expenditure Net (acquisitions) / disposals Other changes in investments Cash from investing activities Increase/(decrease) in debt Share issues / (repurchases) Dividends paid Other cash from financing Cash from financing activities Cash flow chge in cash & equivalents FX / non cash items Bal sheet chge in cash & equivalents		- - - - - - - - - - - -	- - - - - - - - -		(2) 0 0 (1) (1) 0 57 0 0 57	(55) (3) 0 0 (3) 0 130 0 130 72	2324.7 1088.9 - - 129.8 - - - - 127.8	(25) (3) 0 0 (3) 0 0 0 0 0 (28)	10.0	(4) 0 0 (4) 0 0 0 0 0 (46)	10.0
Net cash from operations Capital expenditure Net (acquisitions) / disposals Other changes in investments Cash from investing activities Increase/(decrease) in debt Share issues / (repurchases) Dividends paid Other cash from financing Cash from financing activities Cash flow chge in cash & equivalents FX / non cash items Bal sheet chge in cash & equivalents Core EBITDA		- - - - - - - - - - - -	- - - - - - - - -		(2) 0 0 (1) (1) (1) 0 57 0 0 57 - (10)	(55) (3) 0 0 (3) 0 130 0 0 130 72 0	2324.7 1088.9 - - 129.8 - - 127.8	(25) (3) 0 0 (3) 0 0 0 0 0 0 (28) 0 (28)	10.0	(4) 0 0 (4) 0 0 0 0 0 (46) 0 (46) (49)	10.0 - - 10.0 - - - - - - - -
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Source: Company accounts, UBS estimates. (UBS) valuations are stated before goodwill-related charges and other adjustments for abnormal and economic items at the analysis' judgement. Note: For some companies, the data represents an extract of the full company accounts.

Global Equity Research

Americas

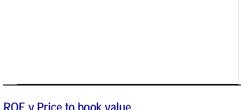
Biotechnology

12-month rating	Buy
12m price target	US\$27.00

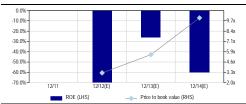
Company profile

Puma is a biotechnology company, focused on the development of small molecules for the treatment of cancer. Its key development compound is an agent for HER2+ disease called neratinib. Neratinib is currently being studied in metastatic breast cancer, CNS disease, neoadjuvant breast cancer and lung cancer. We expect key data in

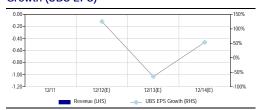
Profitability



ROE v Price to book value



Growth (UBS EPS)



Puma Biotechnology

Valuation (x)	5Yr Avg	-	12/11	12/12E	12/13E	12/14E
P/E (local GAAP)	-	-	-	NM	NM	NM
P/E (UBS)	-	-	-	NM	NM	NM
P/CEPS Not dividend yield (%)	-	-	-	NM	NM	NM
Net dividend yield (%) P/BV	-	-	-	0.0	0.0 5.5	0.0
	-	-	-	3.2	5.5	10.1
EV/revenue (core)	-	-	-	-7.1	-14.2	-9.4
EV/EBITDA (core) EV/EBIT (core)	-	-	-	NM	-14.2 NM	NM
EV/OpFCF (core)	-	-	-	NM	NM	NM
EV/op. invested capital		-		NM	NM	NM
Eviop. Invested capital				14141	14141	1414
Enterprise value (US\$m)		-	12/11	12/12E	12/13E	12/14E
Average market cap		-	-	534	534	534
+ minority interests		-	0	0	0	0
+ average net debt (cash)		-	(10)	(89)	(111)	(74)
+ pension obligations and other		-	0	0	0	0
- non-core asset value		-	0	0	0	0
Core enterprise value		-	-	444	422	460
Growth (%)	5Yr Avg	-	12/11	12/12E	12/13E	12/14E
Revenue	-	-	-	-	-	
EBITDA (UBS)	-	-	-	NM	-52.7	65.6
EBIT (UBS)	-	-	-	NM	-51.8	63.5
EPS (UBS)	-	-	-	125.8	-65.4	53.6
Cash EPS	-	-	-	122.5	-66.1	55.6
Net DPS	-	-	-		-	
BVPS	-	-	-	121.6	-41.2	-45.7
Margins (%)	5Yr Avg	•	12/11	12/12E	12/13E	12/14E
EBITDA / revenue	-	-	-	-	-	-
EBIT / revenue	-	-	-	-	-	
Net profit (UBS) / revenue	-	-	-	-	-	
Return on capital (%)	5Yr Avg	-	12/11	12/12E	12/13E	12/14E
EBIT ROIC (UBS)	-	-	-	NM	NM	NN
ROIC post tax	-	-	-	NM	NM	NM
Net ROE	-	-	-	(69.6)	(25.9)	(60.0)
Coverage ratios (x)	5Yr Avg		12/11	12/12E	12/13E	12/14E
EBIT / net interest	JII AVg		12/11	12/12L	12/13L	12/171
Dividend cover (UBS EPS)	_	_	-	_	_	
Div. payout ratio (%, UBS EPS)	_	_	-	_	_	
Net debt / EBITDA	-	-	5.3	2.0	3.3	1.0
Efficiency ratios (v)	5Yr Avg	_	12/11	12/12E	12/13E	12/14
Efficiency ratios (x) Revenue / op. invested capital	o II Avy		12/11	0.0	0.0	0.0
Revenue / fixed assets	-	-	-	0.0	0.0	0.0
Revenue / net working capital	- -	-	-	0.0	0.0	0.0
	5.7.		461.			
Investment ratios (x)	5Yr Avg	-	12/11	12/12E	12/13E	12/14
OpFCF / EBIT	-	-	1.0	1.0	1.1	1.1
Capex / revenue (%) Capex / depreciation	-		NM	3.0	3.1	3.:
•	<u> </u>					
Capital structure (%)	5Yr Avg	-	12/11	12/12E	12/13E	12/14
Net debt / total equity	-	-	(98.2)	(97.7)	(94.9)	(86.8
Net debt / (net debt + equity)	-	-	NM	NM (20.1)	NM (26.4)	NN (16.1
Net debt (core) / EV						

items at the analysts' judgement.

Valuations: based on an average share price that year, (E): based on a share price of US\$19.38 on 07 Dec 2012 19:38 EST Market cap(E) may include forecast share issues/buybacks.

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■ Puma Biotechnology

Puma is a biotechnology company, focused on the development of small molecules for the treatment of cancer. Its key development compound is an agent for HER2+ disease called neratinib. Neratinib is currently being studied in metastatic breast cancer, CNS disease, neoadjuvant breast cancer and lung cancer. We expect key data in 2013.

■ Statement of Risk

Key risks associated with a development-stage biotechology company include: (a) the ability to finance the company through debt and equity issuances; (b) the outcome of clinical trials and regulatory approvals; and (c) the ability of management to bring its development projects to the market.

■ Analyst Certification

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UBS Investment Research: Global Equity Rating Allocations

UBS 12-Month Rating	Rating Category	Coverage ¹	IB Services ²
Buy	Buy	50%	31%
Neutral	Hold/Neutral	41%	31%
Sell	Sell	9%	20%
UBS Short-Term Rating	Rating Category	Coverage ³	IB Services
Buy	Buy	less than 1%	33%
Sell	Sell	less than 1%	0%

^{1:}Percentage of companies under coverage globally within the 12-month rating category.

Source: UBS. Rating allocations are as of 30 September 2012.

UBS Investment Research: Global Equity Rating Definitions

UBS 12-Month Rating	Definition
Buy	FSR is > 6% above the MRA.
Neutral	FSR is between -6% and 6% of the MRA.
Sell	FSR is > 6% below the MRA.
UBS Short-Term Rating	Definition
Buy	Buy: Stock price expected to rise within three months from the time the rating was assigned because of a specific catalyst or event.
Sell	Sell: Stock price expected to fall within three months from the time the rating was assigned because of a specific catalyst or event.

^{2:}Percentage of companies within the 12-month rating category for which investment banking (IB) services were provided within the past 12 months.

^{3:}Percentage of companies under coverage globally within the Short-Term rating category.

^{4:}Percentage of companies within the Short-Term rating category for which investment banking (IB) services were provided within the past 12 months.

KEY DEFINITIONS

Forecast Stock Return (FSR) is defined as expected percentage price appreciation plus gross dividend yield over the next 12 months.

Market Return Assumption (MRA) is defined as the one-year local market interest rate plus 5% (a proxy for, and not a forecast of, the equity risk premium).

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UBS Securities LLC: Matthew Harrison; Matthew Roden, PhD.

Company Disclosures

Company Name	Reuters	12-mo rating S	hort-term rating	Price	Price date
Puma Biotechnology ^{2, 4, 5, 6, 16}	PBYI.N	Buy	N/A	US\$19.38	07 Dec 2012

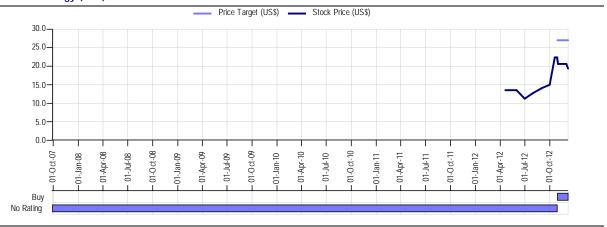
Source: UBS. All prices as of local market close.

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Puma Biotechnology (US\$)



Source: UBS; as of 07 Dec 2012

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