

Healthcare: Biotechnology

Company Update

Oryzon Genomics SA | ORY.SM-€1.73-MADRID | Buy

Stock Data

52-Week Low - High	€1.41-€2.44
Shares Out. (mil)	64.66
Mkt. Cap.(mil)	€134.72
3-Mo. Avg. Vol.	15
12-Mo.Price Target	€12.00
Cash (mil)	€10.1
Tot. Debt (mil)	€18.1

Rev (\$M)

Yr Dec	— 2023—	— 2024E—	— 2025E—
		Curr	Curr
1Q	0.0A	0.0A	-
2Q	0.0A	0.0A	-
3Q	0.0A	0.0E	-
4Q	0.0A	0.0E	-
YEAR	0.0A	0.0E	0.0E

EPS \$

Yr Dec	— 2023—	— 2024E—	— 2025E—
		Curr	Curr
1Q	(0.03)A	(0.02)A	-
2Q	0.02A	0.00A	-
3Q	(0.02)A	(0.02)E	-
4Q	(0.03)A	(0.02)E	-
YEAR	(0.06)A	(0.06)E	(0.10)E
P/E	NM	NM	NM

ORY.SM One-Year Price and Volume History


ORY: Final PORTICO Analysis Improves Statistics, EoP2 Done, Phase 3 Should Come

Final PORTICO results were recently presented. In 1Q24, ORY initially reported that its Phase 2b PORTICO trial evaluating vafidemstat versus placebo in BPD missed its two primary endpoints (BPDCL and CGI-S A/A), but statistically achieved two secondary endpoints (BEST (old $p=0.042$, new $p=0.026$) and STAXI-2 (old $p=0.026$, new $p=0.007$)). Every efficacy endpoint at least favored vafidemstat over placebo, with vafidemstat being safe and well tolerated. ORY's EoP2 meeting with the FDA has occurred, and we believe that an acceptable Phase 3 trial will ultimately be designed.

- Final data analysis yielded improved results versus top-line data analysis in 1Q24.** ORY just orally presented its final analysis of the PORTICO trial data at the New Medications Symposium, a special symposium focused on clinical trials of new compounds within the 37th European College of Neuropsychopharmacology congress. Most notably about the final analysis, the statistical significance of the secondary endpoint of reduction in BPD agitation and aggression (STAXI-2 Trait Anger scale) improved for vafidemstat versus placebo (new $p=0.007$ across treatment weeks 8–12 (previous $p=0.026$)). The relative STAXI-2 reduction for vafidemstat versus placebo maxed out at 92.1% (week 10), with an average reduction of 58.6% across weeks 8–12 (previously reported as only 80.8% and 46.7%, respectively). Additionally, the secondary endpoint that provided an overall measure of BPD severity (Borderline Evaluation of Severity (BEST)), showed improved statistics versus placebo (new $p=0.026$ across weeks 8–12 (previous $p=0.042$)).
- Next Steps.** As BPD has no well-established trial endpoints, these two PORTICO secondary endpoints, which were statistically achieved, should help inform the design of a registrational Phase 3 trial. PORTICO was also the first time that statistical significance on an endpoint was shown in a large, randomized BPD trial. Although the EoP2 meeting was already conducted with the FDA, ORY still needs to receive a positive response from the FDA to trigger the company's immediate preparations for the PORTICO-2 Phase 3 trial, which would make ORY the only company with a Phase 3 BPD trial in a large indication having no approved therapies. We expect two Phase 3 trials of about 400 patients per trial to be conducted, and we note that 18 BPD trials have failed, and that with no available treatment and no established endpoints, using different primary endpoint(s) is a fair trial modification request.
- Statistical changes in other endpoints.** For the two primary endpoints (CGI-S A/A and BPDCL) there was marginal statistical improvement versus the initial analysis ($p=0.41$ went to $p=0.38$, and $p=0.25$ went to $p=0.23$, respectively), but they were still far from statistical significance. A new endpoint discussed which measures depression (BDI-II Total Score) showed that by weeks 8–12 there was a trend toward significance ($p=0.094$), with an average reduction over placebo of 42.2% over that time period. The global treatment effect favoring vafidemstat (*text continued on page 2*)

- *(text continued on page 1)* ...as measured by the Global Statistical Test (GST-incorporates the five previously mentioned endpoints), now achieved statistical significance when considering global improvement in the severity of the disease and in agitation/aggression ($p= 0.0362$), versus a previously reported strong trend (p -value never previously disclosed)). GST assesses treatment effectiveness across different endpoints, which is helpful when dealing with such a complex, multifactorial disease. Lastly, vafidemstat nonstatistically reduced the inclination to cause self-harm versus placebo (one patient versus six patients, respectively).

VALUATION

Our 12-month price target of €12, is based on a DCF analysis using a 35% discount rate that is applied to all cash flows and the terminal value, which is based on a 4x multiple of our projected 2030 operating income of \$662 million. We arrive at this valuation by projecting future revenue from vafidemstat in borderline personality disorder and Kabuki syndrome, as well as iadademstat in AML and SCLC.

Factors that could impede shares of ORY.SM from achieving our price target include vafidemstat and iadademstat failing to generate statistically significant clinical results. Also, regulatory agencies could fail to approve these drugs even if pivotal clinical trials are statistical successes, due to the agency viewing the results as not clinically meaningful. Loss of key management personnel could also impede achieving our price target, as could smaller than projected commercial opportunity due to changes in market size, competitive landscape, and drug pricing and reimbursement.

RISKS

- **Clinical risk.** ORY.SM's clinical staged products could fail to deliver statistically significant results in late-stage clinical trials, substantially reducing the value of ORY.SM's product candidates and therefore our target price.
- **Regulatory risk.** Even if successful in the clinic, ORY.SM's products could fail to be approved by domestic and/or foreign regulatory bodies, which would reduce ORY.SM's value and therefore our target price.
- **Financing risk.** ORY.SM will need additional capital to fund its operations, and such financing may not occur, or it could be substantially dilutive to existing investors.
- **Competitive risk.** For any future approved ORY.SM products, they may not be well adopted in a competitive marketplace, which would adversely affect ORY.SM's value and therefore our target price.
- **High stock price volatility.** This issue is common among small-cap biotechnology companies with relatively low trading volumes.

COMPANY DESCRIPTION

Founded in 2000 in Barcelona, Spain, Oryzon (ISIN Code: ES0167733015) is a clinical stage biopharmaceutical company and the European leader in epigenetics, with a strong focus on personalized medicine in CNS disorders and oncology. Oryzon's team is composed of highly qualified professionals from the pharma industry located in Barcelona, Boston, and San Diego. Oryzon has an advanced clinical portfolio with two LSD1 inhibitors, vafidemstat in CNS and iadademstat in oncology, in several Phase II clinical trials. The company has other pipeline assets directed against other epigenetic targets like HDAC-6 where a clinical candidate ORY-4001, has been nominated for its possible development in CMT and ALS. In addition, Oryzon has a strong platform for biomarker identification and target validation for a variety of malignant and neurological diseases. For more information, visit www.oryzon.com

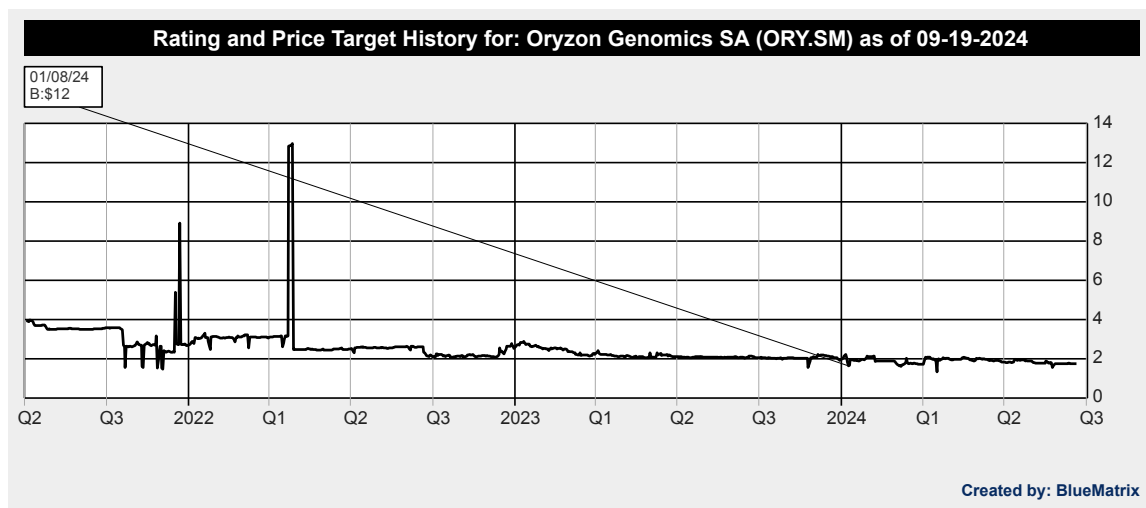
Oryzon Genomics SA																	Jonathan Aschoff, Ph.D. (646) 616-2795				
Income Statement																	jaschoff@roth.com				
Fiscal Year ends December																					
(in 000, except per share items)																					
	2018A	2019A	2020A	2021A	2022A	1Q23	2Q23	3Q23	4Q23	2023A	1Q24A	2Q24A	3Q24E	4Q24E	2024E	2025E	2026E	2027E	2028E	2029E	2030E
Global iadademstat revenue																-	7,683	99,008	147,956	176,048	184,560
Global vafidemstat revenue																-	-	156,140	322,805	477,033	530,992
Total revenue																-	7,683	255,148	470,761	653,080	715,553
Cost of revenue																-	1,153	17,570	26,435	30,024	30,193
R&D	8,489	12,647	13,591	15,118	17,701	4,372	4,264	3,821	3,867	16,324	2,636	2,325	2,348	2,372	9,681	11,133	11,690	11,807	11,925	12,044	12,164
G&A	2,993	3,176	3,484	5,529	4,771	1,223	1,096	674	1,187	4,180	863	1,222	1,100	1,111	4,296	4,725	8,033	8,836	9,720	10,206	10,716
Total operating expenses	11,482	15,823	17,075	20,647	22,472	5,595	5,360	4,495	5,054	20,504	3,499	3,547	3,448	3,483	13,977	15,858	20,875	38,213	48,080	52,274	53,073
Operating income	(11,482)	(15,823)	(17,075)	(20,647)	(22,472)	(5,595)	(5,360)	(4,495)	(5,054)	(20,504)	(3,499)	(3,547)	(3,448)	(3,483)	(13,977)	(15,858)	(13,192)	216,935	422,681	600,807	662,479
Other income (net)	8,143	11,522	11,805	12,510	16,661	4,215	4,054	3,669	3,619	15,557	2,400	2,061	2,000	2,000	8,461	8,000	8,000	7,000	7,000	6,000	5,000
Net income (pretax)	(3,339)	(4,301)	(5,269)	(8,137)	(5,811)	(1,380)	(1,306)	(826)	(1,435)	(4,947)	(1,099)	(1,486)	(1,448)	(1,483)	(5,516)	(7,858)	(5,192)	223,935	429,681	606,807	667,479
Net financial & tax	(1,991)	(187)	(1,098)	(2,760)	(1,276)	392	(2,459)	300	468	(1,299)	140	(1,599)	(250)	(250)	(1,959)	(1,200)	(1,000)	55,984	107,420	151,702	166,870
Net income	(1,348)	(4,114)	(4,171)	(5,377)	(4,535)	(1,772)	1,153	(1,126)	(1,903)	(3,648)	(1,239)	113	(1,198)	(1,233)	(3,557)	(6,658)	(4,192)	167,951	322,261	455,105	500,610
EPS basic	(0.04)	(0.10)	(0.08)	(0.10)	(0.08)	(0.03)	0.02	(0.02)	(0.03)	(0.06)	(0.02)	0.00	(0.02)	(0.02)	(0.06)	(0.10)	(0.06)	2.31	4.21	5.67	5.94
EPS diluted	(0.04)	(0.10)	(0.08)	(0.10)	(0.08)	(0.03)	0.02	(0.02)	(0.03)	(0.06)	(0.02)	0.00	(0.02)	(0.02)	(0.06)	(0.10)	(0.06)	1.93	3.56	4.82	5.09
Basic shares outstanding	34,638	41,589	49,235	52,762	53,354	56,190	57,339	58,154	58,451	57,616	61,216	62,215	62,277	62,339	62,011	66,079	69,383	72,853	76,495	80,320	84,336
Diluted shares outstanding	34,638	41,565	49,235	52,762	53,354	56,190	57,339	58,154	58,451	57,616	61,216	62,215	62,277	62,339	62,011	66,079	69,383	86,890	90,532	94,357	98,373

Source: SEC filings, company press releases, and ROTH Capital Partners

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Disclosures:

Shares of Oryzon Genomics SA may be subject to the Securities and Exchange Commission's Penny Stock Rules, which may set forth sales practice requirements for certain low-priced securities.



Each box on the Rating and Price Target History chart above represents a date on which an analyst made a change to a rating or price target, except for the first box, which may only represent the first note written during the past three years. **Distribution Ratings/IB Services** shows the number of companies in each rating category from which Roth or an affiliate received compensation for investment banking services in the past 12 month.

Distribution of IB Services Firmwide

Rating	Count	Percent	IB Serv./Past 12 Mos. as of 09/23/2024	
			Count	Percent
Buy [B]	360	74.23	106	29.44
Neutral [N]	75	15.46	6	8.00
Sell [S]	2	0.41	0	0
Under Review [UR]	48	9.90	0	0

Our rating system attempts to incorporate industry, company and/or overall market risk and volatility. Consequently, at any given point in time, our investment rating on a stock and its implied price movement may not correspond to the stated 12-month price target.

Ratings System Definitions - ROTH Capital employs a rating system based on the following:

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Sell: A rating, which at the time it is instituted and or reiterated, that indicates an expectation that the price will depreciate by more than 10% over the next 12 months.

Under Review [UR]: A rating, which at the time it is instituted and or reiterated, indicates the temporary removal of the prior rating, price target and estimates for the security. Prior rating, price target and estimates should no longer be relied upon for UR-rated securities.

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