

# Q4: Quarterly Industry Update

AS OF December 31, 2022



## Oncology Pharmaceutical

### INDUSTRY SUMMARY

COGENT VALUATION identified **Oncology Pharmaceutical** publicly traded companies, POs, and recent M&A transactions within the Oncology Pharmaceutical industry, which provides a basis for market and transaction pricing that can be used by your firm in estimating market sentiment and its impact on your firm's value. Over the last year since December 31, 2022, the median 52-week share price return of the Oncology Pharmaceutical industry was 13.4%. Between December 31, 2021 and December 31, 2022, the median EV/EBITDA multiple decreased from 15.1 to 11.8. Furthermore, the median price-to-earnings multiple decreased from 17.2 to 16.4 over the same period. The median revenue growth and EBITDA margins for the industry for the quarter were 10.3% and -31.2%, respectively.

### Public Company Key Statistics

Median 52-Week  
Return

13.4%

Median 3-Year CAGR  
Return

-2.4%

Median EV/Revenue  
Multiple

7.4x

Median EV/EBITDA  
Multiple

11.8x

Median Price/Earnings  
Multiple

16.4x

Median EV/Gross CF  
Multiple

14.7x

## Comparable Public Company Market Price Returns as of December 31, 2022


	2022	1 Year	2 Year	3 Year	2020	2019	2018
Affimed N.V.	42.3%	-17.3%	-61.0%	-27.8%	-74.7%	14.8%	N/A
Bellicum Pharmaceuticals, Inc.	-22.0%	-9.9%	-25.9%	-38.3%	-32.8%	-12.0%	N/A
Calithera Biosciences, Inc.	-24.6%	300.3%	44.2%	156.9%	-57.6%	-62.1%	N/A
Globelimmune, Inc.	65.5%	-73.7%	-55.8%	19.8%	-92.5%	-49.0%	N/A
Incyte Corporation	-12.0%	57.4%	9.9%	-5.5%	-7.5%	48.3%	44.4%
Loxo Oncology, Inc.	37.1%	107.3%	30.4%	162.1%	12.9%	6.8%	N/A
Luye Pharma Group Ltd.	21.2%	245.9%	110.9%	33.1%	-43.1%	142.1%	N/A
Merrimack Pharmaceuticals, Inc.	-21.5%	-10.5%	-28.4%	-74.9%	-48.4%	-19.1%	N/A
Nektar Therapeutics	77.9%	-77.0%	-68.3%	386.7%	-27.2%	-30.1%	112.0%
Seattle Genetics, Inc.	-2.2%	37.4%	25.0%	1.4%	17.6%	8.7%	36.6%
Vertex Pharmaceuticals Incorporated	-15.1%	28.0%	3.4%	327.8%	-26.5%	39.7%	-19.5%
<b>Median of Industry Public Companies</b>	<b>8.8%</b>	<b>13.4%</b>	<b>3.4%</b>	<b>103.4%</b>	<b>-41.5%</b>	<b>5.9%</b>	<b>48.2%</b>


Multiple year periods are calculated as the average annual return.


■ Highest Return    
 ■ Lowest Return    
 ■ Median Return

## Public Company Median Multiples by Quarter

	12/31/22	9/30/22	6/30/22	3/31/22	12/31/21	9/30/21	6/30/21	3/31/21
<b>EV/Revenues Multiple</b>	7.4x	5.5x	8.2x	10.2x	7.6x	7.7x	7.1x	4.5x
<b>EV/EBITDA Multiple</b>	11.8x	12.2x	17.1x	8.7x	11.9x	14.0x	9.5x	8.9x
<b>Price/Earnings Multiple</b>	16.4x	14.1x	18.0x	16.9x	13.7x	14.3x	15.7x	15.3x
<b>EV/Gross Cash Flows Multiple</b>	14.7x	13.3x	10.6x	9.1x	7.5x	13.3x	9.0x	8.4x

 Highest Multiple

 Lowest Multiple

 Median Multiple

## Industry Initial Public Offerings—Oncology Pharmaceutical (dollars in millions, except share prices)

Offer Date	Company Name	Offer Price	Shares Offered	Amount Raised	Total Assets	Debt	LTM Revenues	LTM EBITDA	LTM Net Income	LTM Cash Flows
12/23/22	Gritstone Oncology, Inc.	\$15.00	7.0	\$60.0	\$2.2	\$0.7	\$0.0	(\$4.5)	(\$15.1)	(\$15.2)
11/26/22	Sutro Biopharma, Inc.	\$15.00	6.3	\$128.0	\$354.8	\$0.0	\$0.0	(\$42.5)	(\$7.0)	(\$10.2)
6/3/22	Principia Biopharma Inc.	\$17.00	4.1	\$66.2	\$93.0	\$0.0	\$0.0	(\$15.3)	(\$68.5)	(\$37.5)
6/27/21	Forty Seven, Inc.	\$16.00	7.2	\$38.4	\$53.7	\$29.5	\$0.0	\$2.3	(\$28.1)	(\$7.3)
6/26/18	Neon Therapeutics, Inc.	\$16.00	5.5	\$3.0	\$7.2	\$0.0	\$6.4	\$1.1	\$86.4	\$177.9
5/15/18	Polyphor AG	\$37.97	7.5	\$46.4	\$787.6	\$133.8	\$0.0	(\$20.6)	\$8.42	\$176.7
4/18/18	Surface Oncology, Inc.	\$15.00	8.8	\$50.8	\$786.5	\$9.1	\$15.1	(\$11.8)	\$87.5	\$175.2
	<b>Median IPO</b>	<b>nm</b>	<b>nm</b>	<b>\$50.8</b>	<b>\$584.9</b>	<b>\$71.3</b>	<b>\$0.0</b>	<b>(\$13.5)</b>	<b>\$39.7</b>	<b>\$82.5</b>

## Size of Recent Merger and Acquisition Transactions for a Majority Stake (dollars in millions)

Transaction Date	Target	Acquirer	Transaction Size	% Bought	LTM Revenues	EV/ Revenues
12/8/22	Tusk Therapeutics Ltd	Roche Holding AG	\$761.0	100%	\$24.1	6.3x
11/30/22	Oncology Business of Shire	LES LABORATOIRES SERVIER	\$2,400.0	100%	\$262.0	0.9x
11/21/22	ARMO BioSciences, Inc.	Eli Lilly and Company	\$1,627.9	100%	N/A	27.6x
1/1/22	Crown Bioscience International	JSR Corporation	\$364.9	100%	\$72.2	2.1x
9/4/20	Ablynx NV	Sanofi	\$4,768.7	100%	\$68.6	1.9x
4/3/20	MPI Research Inc.	Charles River Laboratories International, Inc.	\$800.0	100%	\$4.0	7.5x
3/9/18	Cascadian Therapeutics, Inc.	Seattle Genetics, Inc.	\$623.1	74%	\$24.5	0.8x
2/13/18	Sucampo Pharmaceuticals	Mallinckrodt Public Limited	\$1,220.6	100%	\$250.5	13.6x
1/31/18	Advanced Accelerator Apps.	Novartis Groupe France	\$3,917.1	100%	\$114.6	3.2x
11/13/17	Laboratorio DOSA S.A.	Grupo Farmaceutico	\$29.9	100%	\$13.2	4.2x
9/1/17	Merck Kommanditgesellschaft	Fresenius Kabi AG	\$778.6	100%	\$25.2	1.3x

■ USA ■ International

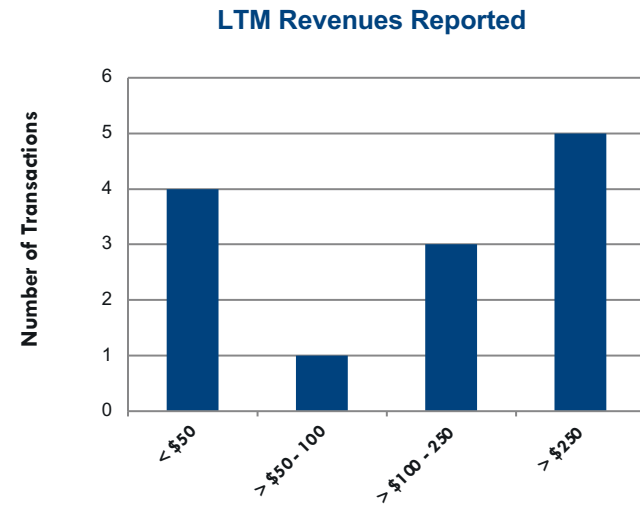
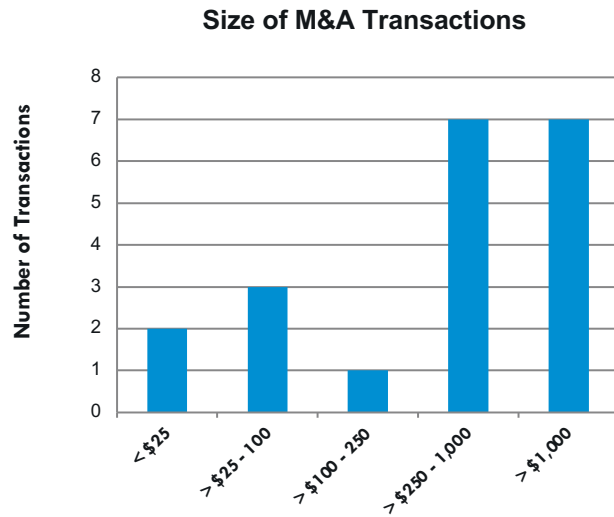
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## Size of Recent Merger and Acquisition Transactions for a Majority Stake (dollars in millions)

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Transaction Date	Target	Acquirer	Transaction Size	% Bought	LTM Revenues	EV/Revenues
1/3/22	<b>Baxalta Incorporated</b>	Shire plc	\$36,219.9	100%	\$6,148	5.7x
12/4/21	<b>DARA BioSciences, Inc.</b>	Midatech Pharma Plc	\$30.7	100%	\$2.4	8.8x
10/7/19	<b>AstraZeneca PLC, Caprelsa</b>	Genzyme Corporation	\$300.0	100%	\$48.0	6.3x
7/23/18	<b>Sigma-Tau Pharma</b>	Baxter International Inc.	\$900.0	100%	\$100.0	9.0x
5/26/18	<b>Pharmacyclics, Inc.</b>	AbbVie Inc.	\$21,053.4	100%	\$816.1	24.7x
3/20/17	<b>EUSA Pharma, Inc.</b>	Essex Woodlands Health	\$34.0	100%	\$27.0	1.3x
2/28/17	<b>Paladin Labs Inc.</b>	Endo International plc	\$1,777.9	100%	\$263.0	5.8x
12/4/16	<b>Agila Specialties Private</b>	Mylan, Inc.	\$1,850.0	100%	\$255.0	7.3x
6/3/16	<b>Baxalta Incorporated</b>	Shire plc	\$36,219.9	100%	\$186.2	7.3x
<b>Median of the 20 M&amp;A Transaction Targets</b>			<b>\$30.7</b>	<b>100%</b>	<b>\$182.2</b>	<b>5.7x</b>

## Size of Recent Merger and Acquisition Transactions for a Majority Stake (dollars in millions)



**Definitions of Financial Terms Used in this Quarterly Industry Update:**

**Enterprise Value (EV):** Market Value of Equity + Market Value of Debt —Cash

**Earnings Before Interest, Taxes, Depreciation and Amortization (EBITDA):** Referred to as operating profit or operating earnings.

**Gross Cash Flows:** Net Income + Depreciation and Amortization Expense

**Latest Twelve Months (LTM):** Financial information is as of the latest twelve months through the date of this Quarterly Industry Update.

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