

# INSTITUTIONAL RESEARCH Specialty Pharma UPDATE REPORT

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# Daré Bioscience (NASDAQ/DARE)

# **BUY: Female Viagra – FSAD Trial Data Provides a Signal**

Daré Bioscience announced additional positive data from the exploratory Phase 2B RESPOND study evaluating topical Sildenafil Cream, 3.6% (Sildenafil Cream) as a treatment for female sexual arousal disorder (FSAD). The data reported supports the continued clinical development of Sildenafil Cream.

# **Investment Highlights**:

**FSAD Data:** The exploratory endpoint for sexual desire demonstrated a statistically significant improvement from baseline to the 8-week mark after randomization in women in the intent to treat (ITT) population who used Sildenafil Cream compared to placebo, at P value = 0.022. The improvement in sexual desire at the 8-week mark compared to baseline in the Sildenafil Cream ITT group persisted through 12 weeks post-randomization (end of study). Based on data from the exploratory Phase 2B RESPOND study, demonstrating improvement in multiple facets of female sexual dysfunction, and because there is no FDA-approved product for FSAD, as described in the fourth edition of the Diagnostic and Statistical Manual (DSM-5), Sildenafil Cream has the potential to be a first-in-category product.

What is it? Female sexual arousal disorder (FSAD) is the inability to reach or maintain a sufficient physical response to sexual stimulation. Market research suggests that 16% of women ages 21 to 60, or approximately 10 million women in the U.S., are distressed from experiencing symptoms associated with FSAD, including low or no sexual arousal, and are seeking a solution to improve their condition. To put the market opportunity for an FDA-approved FSAD treatment in context, the prevalence of complete erectile dysfunction (ED) in men is estimated to be about 5% of men at age 40, increasing to about 15% at age 70.

**Female Viagra?** Sildenafil Cream, 3.6% is an investigational proprietary topical formulation of sildenafil being developed as a first-in-category option for women for the treatment of FSAD. Unlike the oral formulations of PDE-5 inhibitors, Sildenafil Cream is applied locally to the vaginal tissue and is designed to facilitate vasodilation and increased blood flow directly to the genital tissue to improve the physical arousal response symptoms commonly associated with FSAD while avoiding systemic side effects observed with oral formulations of sildenafil.

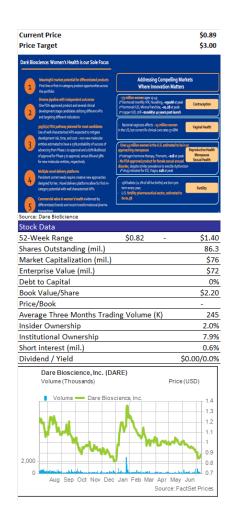
**Valuation:** We assume that DARE-BV1 can be commercialized in 2023 and that Ovaprene can follow in the U.S. (2023) and in the EU in 2025. For Sildenafil cream, we expect commercialization in the U.S. in 2025. We assume a 30% discount rate in our Free Cash Flow to the Firm (FCFF), Discounted EPS (dEPS), and Sum-of-the-Parts (SOP) models due to the risks associated with each product. This results in models that are equally weighted and rounded to the nearest whole number for a \$3.00 price target.

**Risks to our thesis include:** (1) commercial; (2) clinical and regulatory; (3) partnership; (4) financial; and (5) legal and intellectual property.

# July 13, 2023

# Jason Kolbert

Managing Director & Senior Analyst jkolbert@dawsonjames.com





#### **Exhibit 1. Income Statement**

DARE.: Income Statement (\$000)																	
.: YE December	2018A	2019A	2020A	2021A	2022A	1Q23A	2Q23E	3Q23E	4Q23E	2023E	2024E	2025E	2026E	2027E	2028E	2029E	2030E
Revenue:																	.
DARE-BV1				-		-	-	-	-	-	61,058	90,740	132,156	157,122	204,318	233,807	265,341
Ovaprene						-				-	97,747	312,168	539,450	780,176	1,034,949	1,304,400	1,589,181
Sildenafil Cream											-	29,581	44,915	58,940	68,924	74,309	77,312
Total Product Sales				-	-	-	-	-	-	-	158,805	432,489	716,522	996,238	1,308,191	1,612,516	1,931,833
											15 00 1	00.005	00.000	00.004	51,079	58,452	00.005
DARE-BV1 Royalty Revenue (US) Ovaprene Royalty Revenue (US)				-		-	-	-	-	-	15,264 24,437	22,685 50,350	33,039 77,805	39,281 106.873	137.626	58,452 170,139	66,335 204,490
Ovaprene Royalty Revenue (CS) Ovaprene Royalty Revenue (EU)						-	-	-	-	-	24,437	27.692	57.057	88.171	121,111	155,961	204,490
Sildenfail Cream Royalty Revenue (US)						-	-	-	-			4,620	6,609	8,126	9,105	9,473	9,855
Sildenfail Cream Royalty Revenue (CS)											-	2,775	4,620	6,609	8,126	9,473	9,855
Sildeniali Cream Royally Revenue (EU)												2,775	4,620	6,609	6,120	9,105	9,473
Total royalties, collaborative revenue					10,000					-	39,701	108,122	179,130	249,060	327,048	403,129	482,958
rotal royalties, collaborative revenue				-	10,000	-	-	-	-	-	39,701	106,122	179,130	249,060	327,040	403,129	462,956
Total Revenue Received by Dare		-	-	-	10.000	-	-	-	-	-	39,701	108,122	179,130	249.060	327.048	403,129	482,958
Expenses:																	
Costs of Goods Sold				-		-	-	-	-	-	6,749	18,381	30,452	42,340	55,598	68,532	82,103
%COGS		17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%
General & Adminastrative	4,656	5,266	6,550	8,351	11,243	3,337	2,844	3,215	2,970	12,367	13,604	14,964	16,461	18,107	19,918	21,909	24,100
					-										-		
Research & Development	6,414	8,546	20,769	30,618	30,042	5,020	7,255	8,202	11,068	31,544	34,699	34,005	33,325	32,658	31,352	30,098	29,496
License Expense	625	533	83	100	100	25	27	25	27	105	110	116	122	128	134	141	148
Impairment of Goodwill	5,188																
Total Expenses	16,882	14,345	27,402	39,069	41,385	8,382	10,127	11,442	14,065	44,017	48,413	49,085	49,907	50,893	51,404	52,148	53,744
Operating Income (Loss)	(16,882)	(14,345)	(27,402)	(39,069)	(31,385)	(8,382)	(10,127)	(11,442)	(14,065)	(44,017)	(8,712)	51,642	117,994	183,432	258,413	332,404	409,886
Other income (expense)	143	81	2	2	438	340	124	115	(119)	460	483	507	532	559	587	616	647
			_	_					()			•••					
Trigger Down Dvd & Fx		(790)	(7)	2,520	(196)	(22)											
33		( )	( )	397	( )	( )											
Pretax Income	(16,739)	(15,054)	(27,408)	(38,696)	(31,144)	(8,064)	(10,003)	(11,327)	(14,185)	(43,579)	(8,229)	52,149	118,527	183,990	259,000	333,020	410,533
Income Taxes							( , , , , , , , , , , , , , , , , , , ,				-	7,822	23,705	55,197	85,470	123,217	151,897
Tax Rate											0%	15%	20%	30%	33%	37%	37%
GAAP Net Income (Loss)	(16,817)	(15,061)	(27,408)	(38,645)	(31,376)	(8,064)	(10,003)	(11,327)	(14,185)	(43,579)	(8,229)	52,149	118,527	183,990	259,000	333,020	410,533
Fx Translation	(79)		11	64			,	,			-	-	-	-	-	-	-
GAAP Total Comprehensive Income (Loss)	-	(15,061)	(27,397)	(38,759)	(31,376)	(8,064)	(10,003)	(11,327)	(14,185)	(43,579)	(8,229)	52,149	118,527	183,990	259,000	333,020	410,533
GAAP-EPS	(1.57)	(0.97)	(0.91)	(0.63)	(0.37)	(0.09)	(0.12)	(0.13)	(0.16)	(0.50)	(0.09)	0.55	1.21	1.81	2.44	3.02	3.58
Fully Dilluted EPS	(1.69)	(0.90)	(0.91)	(0.63)	(0.37)	(0.09)	(0.12)	(0.13)	(0.16)	(0.50)	(0.09)	0.55	1.21	1.81	2.44	3.02	3.58
Wgtd Avg Shrs (Bas) - '000s	10,732	15,799	30,091	61,154	84,571	85,517	86,372	87,236	88,108	86,808	90,333	94,001	97,818	101,790	105,923	110,224	114,699
Wgtd Avg Shrs (Dil) - '000s	11,422	16,736	30,091	61,154	84,571	85,517	86,372	87,236	88,108	86,808	90,333	94,001	97,818	101,790	105,923	110,224	114,699
			•	•	•												

Source: Dawson James estimates, company reports



#### **Risk Analysis**

In addition to the typical risks associated with development-stage specialty pharmaceutical companies, potential risks specific to Daré are as follows:

**Financial risk.** The company may need to raise capital in the marketplace in order to successfully push its products into the next phase, and there can be no assurances that the company will be able to successfully raise capital and or do so on favorable terms.

Clinical and regulatory risk. Lead products must start and complete clinical trials. Trials may not produce results sufficient for regulatory approval.

**Partnership risk.** Daré may seek partnerships for clinical development support and commercialization. We have no specific knowledge of any discussions with possible partners today, and there can be no assurances that the company will be able to secure a favorable partnership.

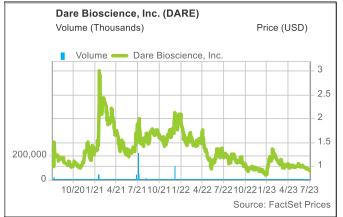
**Commercial risk.** There are no assurances that the company will be able to secure favorable pricing, commercially launch products, and achieve significant market share to become profitable.

**Legal and intellectual property risk.** The company may have to defend its patents and technical know-how, and there can be no assurances that the patents will not be infringed or will be held as valid if challenged, and or that the company may infringe on third parties' patents.

Companies mentioned in this report:

#### **Important Disclosures:**

#### **Price Chart:**



Price target and rating changes over the past three years: Initiation - Buy - 7/18/2018 - Price Target \$8.00 Update Report - Buy - 9/6/2018 - Price Target \$8.00 Transfer of Coverage - Buy -7/18/2019 - Price Target \$4.00 Update Report – Buy – 8/13/2019 – Price Target \$4.00 Update Report - Buy - 8/15/2019 - Price Target \$4.00 Update Report – Buy – 9/10/2019 – Price Target \$4.00 Update Report - Buy - 11/11/2019 - Price Target \$4.00 Update Report - Buy - 11/12/2019 - Price Target \$4.00 Update Report - Buy - 12/11/2019 - Price Target \$4.00 Update Report - Buy - 1/13/2020 - Price Target \$4.00 Update Report - Buy - 1/27/2020 - Price Target \$4.00 Price Target Change – Buy - 3/31/2020 – Price Target changed from \$4.00 to \$3.00 Update Report – Buy – 5/15/2020 - Price Target \$3.00 Update Report – Buy – 9/1/2020 - Price Target \$3.00 Update Report - Buy - 11/13/2020 - Price Target \$3.00 Price Target Change – Buy – 12/7/2020 - Price Target changed from \$3.00 to \$4.00 Price Target Change - Buy - 3/30/2021 - Price Target changed from \$4.00 to \$3.00 Update Report - Buy - 4/27/2021 - Price Target \$3.00



Update Report – Buy – 5/13/2021 - Price Target \$3.00
Update Report – Buy – 6/29/2021 - Price Target \$3.00
Update Report – Buy – 8/9/2021 - Price Target \$3.00
Update Report – Buy – 8/12/2021 - Price Target \$3.00
Update Report – Buy – 11/23/2021 - Price Target \$3.00
Update Report – Buy – 12/8/2021 - Price Target \$3.00
Update Report – Buy – 2/28/2022 - Price Target \$3.00
Update Report – Buy – 3/31/2022 - Price Target \$3.00
Update Report – Buy – 4/20/2022 - Price Target \$3.00
Update Report – Buy – 5/12/2022 - Price Target \$3.00
Update Report – Buy – 7/1/2022 - Price Target \$3.00
Update Report – Buy – 8/10/2022 - Price Target \$3.00
Update Report – Buy – 8/24/2022 - Price Target \$3.00
Update Report – Buy – 8/30/2022 - Price Target \$3.00
Update Report – Buy – 10/10/2022 - Price Target \$3.00
Update Report – Buy – 10/17/2022 - Price Target \$3.00
Update Report – Buy – 11/1/2022 - Price Target \$3.00
Update Report – Buy – 11/14/2022 - Price Target \$3.00
Update Report – Buy – 12/14/2022 - Price Target \$3.00
Update Report – Buy – 2/27/2023 - Price Target \$3.00
Update Report – Buy – 4/13/2023 - Price Target \$3.00
Update Report – Buy – 6/20/2023 - Price Target \$3.00
Update Report – Buy – 7/5/2023 - Price Target \$3.00
Update Report – Buy – 7/13/2023 - Price Target \$3.00

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- 2) **Neutral**: the analyst believes the price of the stock is fairly valued for the next 12-18



months;

- 3) Sell: the analyst believes the price of the stock will decline by at least 20% over the next
  - 12-18 months and should be sold.

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Current as of 22-Jun-23						
	Company		Investment			
	Coverage		Banking			
				% of		
Ratings Distribution	# of Companies	% of Total	# of Companies	Totals		
Market Outperform (Buy)	26	72%	2	5.50%		
Market Perform (Neutral)	10	28%	2	5.50%		
Market Underperform (Sell)	0	0%	0	0.00%		
Total	36	100%	4	11.00%		

Current as of 22-Jun-23

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