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INITIATION REPORT

Toll-Free: 561-391-5555 ♦ www.DawsonJames.com ♦ 1 North Federal Highway - Suite 500 ♦ Boca Raton, FL 33432

Soligenix, Inc. (NASDAQ/SNGX)

August 5, 2019

BUY: Lighting up the Future for Cutaneous T-Cell Lymphoma Patients

Jason H. Kolbert
Head of Healthcare Research
646-465-6891
jkolbert@dawsonjames.com

The future could be bright for Soligenix as they move to complete pivotal programs in CTCL (SGX301) and a possible breakthrough with Dusquetide to treat Mucositis. All coupled with a robust public health solutions platform.

Investment Highlights

Gone in a "FLASH" (Fluorescent Light Activated Synthetic Hypericin). SGX301 (synthetic hypericin) is a topical ointment which is applied to CTCL lesions and then activated by safe visible fluorescent light. This photodynamic therapy has reached its pivotal stage (Phase 3) and approximately 40 additional subjects are being randomized into the trial to maintain the assumption of 90% statistical power for the primary efficacy endpoint. The company is expected to complete enrollment by 2H19, with final top-line results becoming available during Q120. This program has also received ongoing partial funding of approximately $1.5 million over two years from the Small Business Innovative Research (SBIR) grant awarded by the National Cancer Institute (NCI).

Mucositis May Meet its Match. Soligenix has also commenced their Phase 3 clinical study in oral mucositis in head and neck cancer patients. Oral mucositis is a common complication of cancer chemotherapy and radiation that causes the mucosal lining of the mouth to break down forming severe ulcers. This is an area of unmet medical need where there are currently no approved drug therapies. Consequently, Soligenix introduced Dusquetide which is a small-molecule peptide that modulates the innate immune system and has shown favorable results in Phase 1 and 2 studies. The company added an interim analysis for 3Q19 and anticipates completion of their Phase 3 study no later than 1H20. The oral mucositis development program has received ongoing partial funding of approximately $1.5 million over two years from an SBIR grant awarded by the National Institute of Dental and Craniofacial Research (NIDCR).

Public Health Solutions (biodefense). This division of Soligenix has mainly been working to advance RiVax, a ricin toxin vaccine. The drug has reached Phase 1/2 vaccine immunogenicity and safety study in healthy volunteers utilizing RiVax in the 2H19. Simultaneously, additional efficacy studies in nonhuman primates are planned in the coming months which enables a larger database of biomarkers for correlation with human clinical results. In addition, RiVax is being developed in combination with ThermoVax which eliminates the need for cold-chain management of alum-formulated vaccines. RiVax is being developed under the FDA animal rule and is supported by up to $24.7 million over six years awarded by the National Institute of Health (NIH).

Valuation. We have modeled CTCL and oral mucositis both with 33% risk rates. We do not include any value for the biodefense programs. To the overall result, we apply a discount rate of 30%. We assume dilution and triangulate FCF, discounted EPS, and sum-of-the-parts models—averaged and equally weighted to derive an NPV of $3.00.

Risk to our thesis, include the following: (1) clinical trial; (2) commercial; (3) employee; (4) financial; (5) intellectual property; (6) partnership; and (7) regulatory. We review these and other risks in the risk section of this report.

Current Price	**$1.23**
Price Target	**$3.00**

Estimates	F2019E	F2020E	F2021E
Expenses ($000s)	$ 10,332	$ 10,539	$ 12,382
1Q March	$ 2,517	$ 2,635	$ 3,096
2Q June	$ 2,555	$ 2,635	$ 3,096
3Q September	$ 2,620	$ 2,635	$ 3,096
4Q December	$ 2,640	$ 2,635	$ 3,096
	F2019E	F2020E	F2021E
EPS (diluted)	$ (0.45)	$ (0.32)	$ 0.11
1Q March	$ (0.09)	$ (0.07)	$ 0.03
2Q June	$ (0.12)	$ (0.09)	$ 0.03
3Q September	$ (0.12)	$ (0.08)	$ 0.03
4Q December	$ (0.12)	$ (0.08)	$ 0.03
EBITDA/Share	($0.42)	($0.43)	$0.15
EV/EBITDA (x)	0.0	0.0	0.0

Stock Data	
52-Week Range	$0.65 - $2.20
Shares Outstanding (mil.)	18.5
Market Capitalization (mil.)	$23
Enterprise Value (mil.)	$15
Debt to Capital	0%
Book Value/Share	$0.72
Price/Book	2.4
Average Three Months Trading Volume (K)	45
Insider Ownership	14.4%
Institutional Ownership	16.0%
Short interest (mil.)	1.8%
Dividend / Yield	$0.00/0.0%

Initiation - August 5, 2019 - Buy - Price Target $3.00

Exhibit 1. Milestones and Catalysts for Soligenix

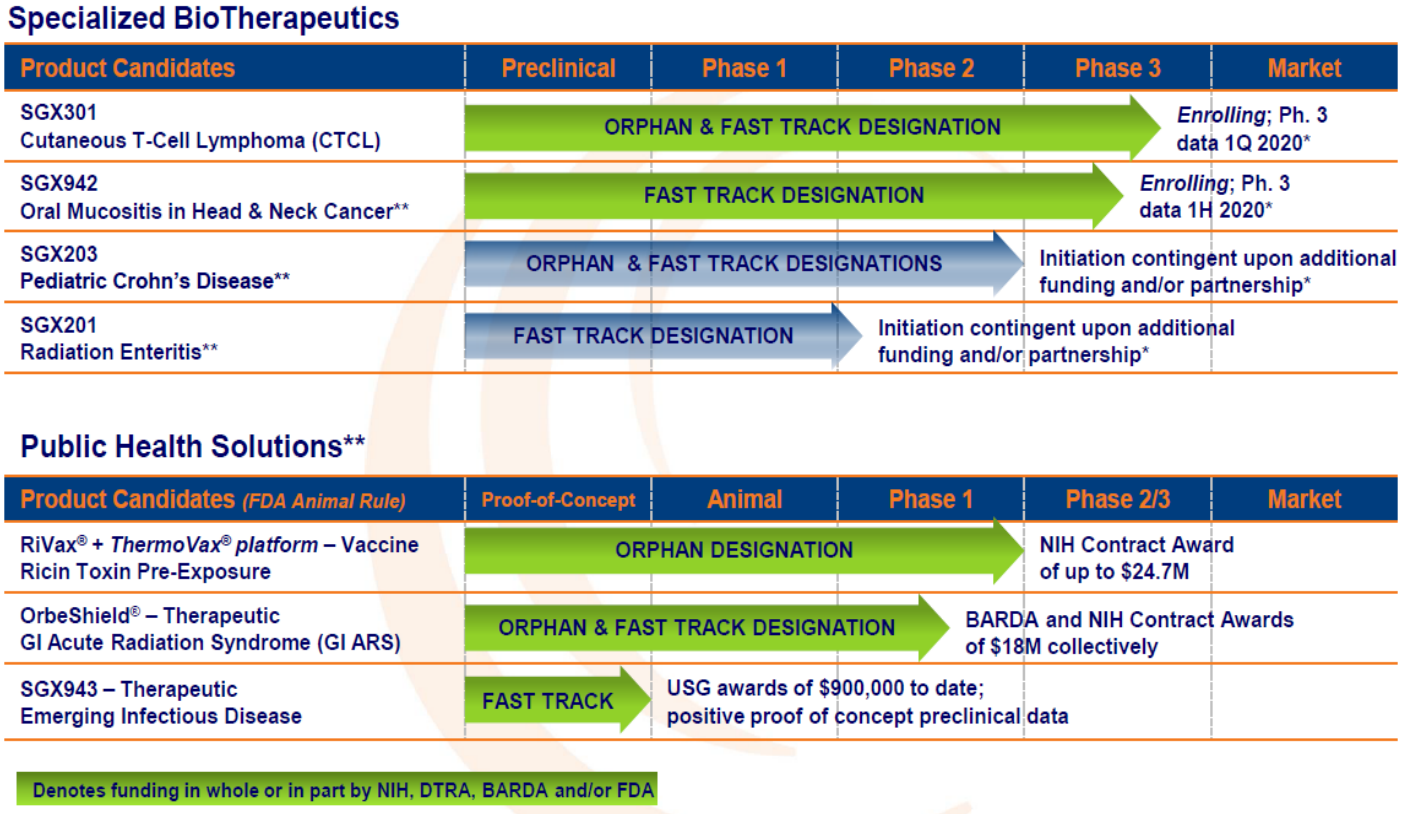
Product	Geography	Indication	Event	Timeline	Impact
SGX942	US	Mucositis	Phase III Interim Analysis	3Q-2019	+++
Rivax	US	Ricin Vaccine	Phase II Initiation	2H-2019	+
ThermoVax	US	Thermostability of aluminum adjuvanted vaccine for ricin	Phase I/II Human Study Initiation	2H-2019	+
SGX301	US	Cutaneous T-cell Lymphoma	Phase III Completion	1Q- 2020	+++
SGX942	US	Mucositis	Phase III Completion	1H-2020	+++
Rivax	US	Ricin Vaccine	Phase I/II Study Completion	1H-2020	++
SGX203	US	Pediatric Crohn's Disease	Phase III Initiation	TBD	+
SGX201	US	Acute Radiation Enteritis	Phase II Initiation	TBD	+
OrbeShield	US	GI ARS	Pre-clinical Testing	TBD	+
SGX943	US	Infectious Disease	Pre-clinical Testing	TBD	+

Stock Significance Scale: + of moderate importance; ++ higher level; +++ highly

Source: Dawson James

Soligenix has been focused on completing the development of SGX301 and SGX942. In addition, RiVax will continue to be studied in combination with ThermoVax. The program has received finacial support from the NIH. While Soligenix has several other drugs in their pipeline, the company is prioritizing its lead programs to maximize the efficent use of its capital.

Exhibit 2. Soligenix Pipeline



Source: Soligenix

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Company Overview

Soligenix Inc. is a late-stage biopharmaceutical company focused on developing and commercializing products to treat rare diseases where there is an unmet medical need. Soligenix is split into two divisions which includes a biotherapeutics segment and a public health solutions sector. The biotherapeutic division is devoted to the advancement of products for orphan diseases and areas of unfulfilled medical treatment such as cutaneous T-cell lymphoma, oral mucositis, pediatric Crohn's disease, and acute radiation enteritis. Conversely, the public health solutions segment has been progressing vaccines and therapeutics for military and civilian uses in the areas of ricin exposure, acute radiation syndrome, and emerging and antibiotic resistant infectious disease. Each sector has several drugs in the pipeline that could boost revenues considerably.

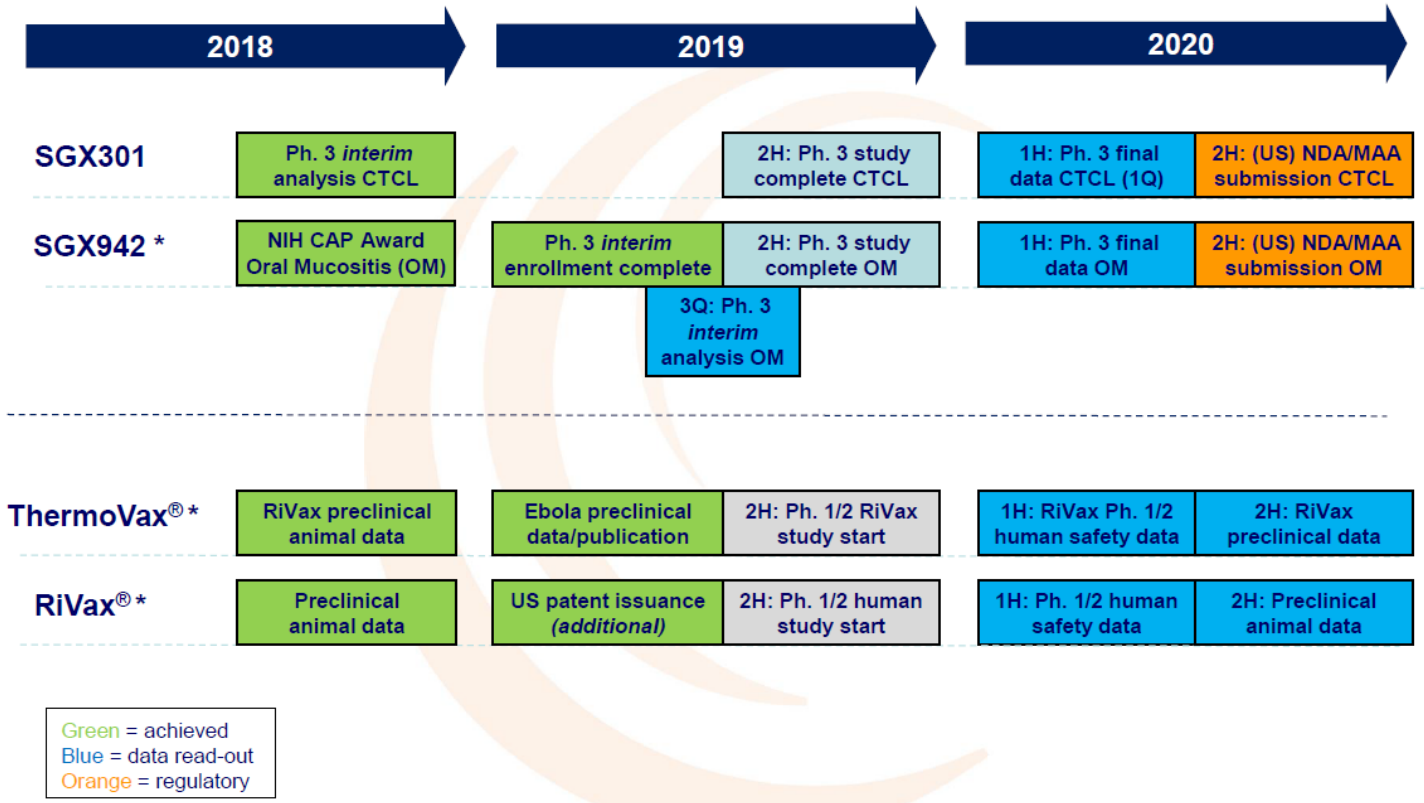
Bull Case. Soligenix has developed two novel, late stage drugs that could effectively treat patients who are suffering from CTCL and oral mucositis. CTCL currently affects over 40,000 Non-Hodgkin lymphoma patients (NHL) worldwide with 3,000 new cases reported in the United States every year. There is no approved first-line therapy. The current standard of care given to treat CTCL is psoralen given with ultraviolet-A (UV-A) light, referred to as PUVA. However, PUVA itself has risk. Treatment with the therapy contains warning for potential future malignancies (melanoma) as psoralen is mutagenic and UV-A light is considered carcinogenic. Patients typically can expect to undergo upwards of 70 treatments per year, balancing the need for near term efficacy versus the future risk that might result from treatment exposure. SGX301, appears to ameliorate these risks, having established an excellent safety profile in the current Phase 1 and 2 trials. As there are no approved first-line therapies yet, for this type of cancer, SGX301 should be in an ideal position to capture the opportunity, initially in the U.S, and globally ($250 million global market). Switching gears to mucositis, here too, there are no FDA-approved treatments for patients. While there have been numerous attempts, all have thus far, failed. Dusquetide is an innate defense regulator and the active ingredient in SGX942. This drug is unique in that it addresses the underlying innate immune dysfunction that contributes to the severity and duration of mucositis. The innate immune response is the first response initiated upon chemo- or radiation-induced cell death so modulating this response may contribute to the prevention of oral mucositis or limit its duration. For the convenience of the patient, the drug is administered twice a week through a brief four minute IV infusion during chemoradiation treatment while the individual is present at their clinician's office or hospital. Critical to understand, is mechanistically, SGX942 does not act as a growth factor, which represents the direction of most historic attempts to treat and or prevent mucositis. If the clinical trial is successful, SGX942 has the potential to become part of the standard of care for treating oral mucositis, particularly in head and neck cancers. We view the biodefense segment as optional upside to the company. The RiVax vaccine has commenced a Phase 1/2 trial (establish the safety profile in man). While forecasting the commercial opportunity is difficult, we do see other value drivers such as the opportunity for Soligenix to receive a Priority Review Voucher (PRV), provided the vaccine is approved.

Bear Case. Soligenix may have two viable assets in SGX301 and SGX942 but they are both clinical assets, based on relatively small Phase 2 studies that need to be validated in the current larger Phase 3, pivotal studies. Bears are likely to be sceptical until data proves them wrong. In terms of the public health solutions platform, it is both difficult to value and rarely have we seen investors value this area, because of its dependence on the U.S. Government for funding and purchase.

Our Take. We see two key assets, SGX301 and SGX942 which may change the treatment paradigms in CTCL and oral mucositis, respectively. SGX301 and SGX942 have shown favorable results in proof of concept (Phase 2) trials. Pivotal success in either or both indications can be transformative for patients, and the company. SGX301 and SGX942 address an unmet medical need in their respective markets (CTCL and Mucositis). Both drugs have received fast track designation and SGX 301 has also received orphan designation. Both drugs have demonstrated an excellent safety profile and as such, we believe even with moderate efficacy, the products are approvable. On top of these two opportunities investors also have exposure to the "public health solutions" or BioDefense platform and a pipeline of earlier stage opportunities. With a market capitalization of ~20M we see a favorable risk-reward scenario.

Finances. As of the 1Q19, Soligenix reported $7.2M in cash, which should fund operations across multiple catalysts over the next 12 months. Also, we note that the company has been able to offset some of their costs with government grants, reducing their capital needs. The company has just under 18.6 million fully diluted shares outstanding. Our model assumes additional raises and as such, our valuation is based on a fully diluted, out-year (2030) share count of 37.47 million.

Exhibit 3. Multiple Potential Value Drivers



Source: Soligenix

Soligenix has multiple catalysts coming up in the next two years**.** Their biotherapeutic program is currently prioritizing two compounds; SGX301 (fluorescent light activated synthetic hypericin) and SGX942 (Dusquetide). SGX301 is a topical ointment which is applied to cancerous lesions and then activated with a safe visible fluorescent light. Synthetic hypericin, the active ingredient in SGX301, tends to accumulate in T-cells. When the ointment is activated inside the cancer cells, oxygen radicals are created which subsequently cause cellular toxicity, killing the targeted T-cells. This results in the clearing of CTCL lesion which is thought to decrease the risk of disease progression. Along with SGX301, SGX942 is nearing completion and is a small-molecule peptide that modulates a person's innate immune system. The peptide up-regulates anti-inflammatory cytokines while down-regulating pro-inflammatory cytokine. Oral mucositis is believed to be caused by an overactive immune response that occurs after chemotherapy or radiation-induced cell death. By modulating the innate immune response of an individual's body, this drug may help assuage this debilitating condition. Both drugs have reached pivotal (Phase 3) trials with final data read-outs by the first quarter of 2020. If the results of either study are significant, we expect an NDA submission by the second half of 2020 which sets up commercialization by 2021.

Simultaneously, the public health solutions program of Soligenix has been conducting further research into RiVax combined with ThermoVax. RiVax is a safe alum-adjuvanted subunit vaccine which may prevent death and injury from exposure to ricin toxin. When combined with ThermoVax, this vaccine can be stored at room temperature for extended periods of time making it compatible with the United States government stockpiling requirements. Soligenix plans to commence a placebo-controlled, double-blind, randomized Phase 1/2 study of RiVax which is expected to take approximately 18 months to complete. If the vaccine is safe and effective, then the company will continue to a Phase 2 trial in 2020.

SGX301 P3 study design: The trial is a double-blind, randomized, placebo controlled, trial that will enroll 160 subjects to receive three treatment cycles (8 weeks in duration), 2x weekly. In the first treatment cycle, 107 subjects are to receive SGX301 and 53 placebo treatments of their index lesions. In the second cycle, all subjects will receive SGX301 and in the third cycle all subjects will receive SGX301 treatment of all their lesions. The primary endpoint is Partial or Complete Response of lesions defined as ≥ 50% culmative reduction in total Composite Assessment of Index Lesion Disease Severity (CAILS) score for 3 index lesions at the Cycle 1 evaluation visit (Week 8) compared to baseline.

Modeling Assumptions: SGX 301

1. **Prevalence.** There are an estimated 40,000 individuals who have been diagnosed with CTCL worldwide. In the United States, 3,000 new cases are diagnosed each year.
2. **Clinical and regulatory outcome assumptions.** We assume final top-line results for the SGX301 Phase 3 study will become available Q1-20. If the trial is successful, we can expect an NDA / approval in 2021. As such, we anticipate that Soligenix will begin to commercialize SGX301 in 2021.
3. **Product assumptions.** We assume that a yearly treatment cycle for SGX 301 at $8,000. We also predict that the cost of the drug will increase by 1% a year but this number may be too conservative since the current off-label treatments are priced at $10,000.
4. **Risk adjustment.** We assign a 33% risk adjustment to our therapeutic model of SGX 301 based on the Phase 3 approval rate of drugs in the oncology field according to BioMedTracker and Amplion.

Exhibit 4. SGX 301 Model:

SGX301 (CTCL) SGX301 Revenues Model	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
CTCL Prevalance	40,000	42,800	45,796	49,002	51,942	55,058	58,362	61,280	64,344	67,561	70,264	73,074	75,997
Market Size Growth	7%	7%	7%	6%	6%	6%	5%	5%	5%	4%	4%	4%	3%
Treated with SGX 301	37,000	39,590	42,361	45,327	48,046	50,929	53,985	56,684	59,518	62,494	64,994	67,594	70,297
Elgible patients with insurance etc. (75%)	27,750	29,693	31,771	33,995	36,035	38,197	40,489	42,513	44,639	46,871	48,745	50,695	52,723
Market Penetration	0%	0%	0%	4%	6%	8%	10%	12%	14%	16%	18%	19%	20%
Treatable Patients	0	0	0	1360	2162	3056	4049	5102	6249	7499	8774	9632	10545
Average Cost of Therapy	$8,000	$8,000	$8,000	$8,000	$8,080	$8,161	$8,242	$8,325	$8,408	$8,492	$8,577	$8,663	$8,749
Price Growth	0%	0%	0%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
Total Sales ($millions)	$ -	$ -	$ -	$ 11	$ 17	$ 25	$ 33	$ 42	$ 53	$ 64	$ 75	$ 83	$ 92
Risk Adjusted	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%
Total Sales (US) ($millions)	$ -	$ -	$ -	$ 4	$ 6	$ 8	$ 11	$ 14	$ 17	$ 21	$ 25	$ 28	$ 30

Source: Dawson James

SGX942, P3 trial design. This trial is a multinational, double-blind, placebo-controlled study that plans to enroll ~190 patients with squamous cell carcinoma of the oral cavity and oropharynx. Enrolled patients should receive chemoradiation therapy (CRT). Patients are then randomized 1:1 to receive SGX942 or placebo. Patients in the study should be scheduled to have a minimum cumulative radiation dose of 55Gy (gray, unit of ionizing radiation, defined as absorption of one joule of radiation energy per kilogram of mass) administered in 2.0-2.2Gy per day with concomitant cisplatin chemotherapy. Chemotherapy is to be administered every third week. Patients then receive SGX942 (or placebo) 2x per week for two weeks after completion of CRT. Oral mucositis will be monitored at each patient visit and through six weeks following CRT completion. The endpoint of the study is median duration of severe oral mucositis.

Modeling Assumptions: SGX 942 (Dusquetide)

1. **Prevalence.** Oral Mucositis affects over 180,000 head and neck cancer patients worldwide. We expect that the number of patients with this condition can continue to grow by 1% annually.
2. **Clinical and regulatory outcome assumptions.** We assume that the company can complete their Phase 3 study no later than 1H-20. We expect an NDA submission in 2020 with approval and marketing by 2021. For Europe, we assume approval a year later in 2022.
3. **Product assumptions.** We assume the cost of a yearly treatment cycle is $6,000.
4. **Risk adjustment.** We assign a 33% risk adjustment to our therapeutic model of SGX942 based on the Phase 3 approval rate of drugs in the field of oncology according to BioMedTracker and Amplion.

Exhibit 5. SGX 942 Model:

SGX942 (Mucositis) SGX942 Revenues Model U.S.	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Head and neck cancer	180,000	181,800	183,618	185,454	187,309	189,182	191,074	192,984	194,914	196,863	198,832	200,820	202,829
Market Size Growth	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
Treated with Radiation	166,500	168,165	169,847	171,545	173,261	174,993	176,743	178,511	180,296	182,099	183,920	185,759	187,616
Elgible patients with insurance etc. (75%)	124,875	126,124	127,385	128,659	129,945	131,245	132,557	133,883	135,222	136,574	137,940	139,319	140,712
Market Penetration	0%	0%	0%	5%	7%	10%	15%	20%	25%	30%	33%	33%	34%
Treatable Patients	0	0	0	6433	9096	13124	19884	26777	33805	40972	45520	45975	47842
Average Cost of Therapy	$6,000	$6,000	$6,000	$6,000	$6,000	$6,000	$6,000	$6,000	$6,000	$6,000	$6,000	$6,000	$6,000
Price Growth	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Total Sales ($millions)	$ -	$ -	$ -	$ 39	$ 55	$ 79	$ 119	$ 161	$ 203	$ 246	$ 273	$ 276	$ 287
Risk Adjusted	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%
Total Sales (US) ($millions)	$ -	$ -	$ -	$ 13	$ 18	$ 26	$ 39	$ 53	$ 67	$ 81	$ 90	$ 91	$ 95

SGX942 (Mucositis) SGX942 Revenues Model EU.	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Head and neck cancer	180,000	181,800	183,618	185,454	187,309	189,182	191,074	192,984	194,914	196,863	198,832	200,820	202,829
Market Size Growth	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
Treated with Radiation	166,500	168,165	169,847	171,545	173,261	174,993	176,743	178,511	180,296	182,099	183,920	185,759	187,616
Elgible patients with insurance etc. (75%)	124,875	126,124	127,385	128,659	129,945	131,245	132,557	133,883	135,222	136,574	137,940	139,319	140,712
Market Penetration	0%	0%	0%	0%	5%	9%	12%	15%	18%	21%	24%	27%	30%
Treatable Patients	0	0	0	0	6497	11812	15907	20082	24340	28681	33106	37616	42214
Average Cost of Therapy	$6,000	$6,000	$6,000	$6,000	$6,000	$6,000	$6,000	$6,000	$6,000	$6,000	$6,000	$6,000	$6,000
Price Growth	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Total Sales ($millions)	$ -	$ -	$ -	$ -	$ 39	$ 71	$ 95	$ 120	$ 146	$ 172	$ 199	$ 226	$ 253
Risk Adjusted	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%
Total Sales (EU) ($millions)	$ -	$ -	$ -	$ -	$ 13	$ 23	$ 31	$ 40	$ 48	$ 57	$ 66	$ 74	$ 84
Total Sales (WW) ($millions)	$ -	$ -	$ -	$ 13	$ 31	$ 49	$ 71	$ 93	$ 115	$ 138	$ 156	$ 166	$ 178

Source: Dawson James

Valuation. Our valuation methodology begins with our projected revenues from our product models. We apply assumptions for the timing of approval, launch dates, and product attributes to estimate revenues. These estimates feed into our income statement through the year 2030. Our therapeutic models include a probability of success factor or risk rate of 33% based on the success of Phase 3 drugs in the oncology industry as stated by BioMedTracker and Amplion. The result of these projections is then fed into our income statement projections. Our price target is derived from an equal-weighted average of free cash flow to the firm (FCFF), discounted EPS (EPS), and sum-of-the-parts (SOP) models. For companies that have a strong foundation with established products and revenues (visible earnings) we typically discount 10% while emerging growth companies like Soligenix which are not yet profitable we use our maximum risk rate of 30%. The result is rounded to the nearest whole number. Our share count is based on the outyear (2030) and assumes additional capital raises (dilution). This methodology results in a price target of $3.00.

Exhibit 6. FCFF Model

	Price Target	$ 2
	Year	2019

DCF Valuation Using FCF (mln):

units ('000 - Cnd$)	2019E	2020E	2021E	2022E	2023E	2024E	2025E	2026E	2027E	2028E	2029E	2030E
EBIT	(10,332)	(10,539)	3,945	22,012	40,660	62,284	84,482	107,354	130,931	150,115	161,148	175,035
Tax Rate	15%	20%	25%	30%	34%	34%	34%	34%	34%	34%	34%	34%
EBIT(1-t)	(8,782)	(8,431)	2,959	15,409	26,836	41,107	55,758	70,853	86,414	99,076	106,358	115,523
CapEx	-	-	-	-	-	-	-	-	-	-	-	-
Depreciation	117	122	129	135	142	149	156	164	172	181	190	199
Change in NWC												
FCF	(8,666)	(8,308)	3,087	15,544	26,978	41,256	55,914	71,017	86,587	99,257	106,548	115,723
PV of FCF	(8,666)	(6,391)	1,827	7,075	9,446	11,111	11,584	11,318	10,615	9,360	7,729	6,457
Discount Rate	30%											
Long Term Growth Rate	1%											
Terminal Cash Flow	403,034											
Terminal Value YE2020	22,489											
NPV	93,953											
NPV-Debt	1,583											
Shares out (thousands)	37,471	2030E										
NPV Per Share	$ 2											

Source: Dawson James

Exhibit 7. Discounted EPS Model

Current Year		2019
Year of EPS		2030
Earnings Multiple		10
Discount Factor		30%
Selected Year EPS	$	3.09
NPV	$	1.72

Source: Dawson James

	Discount Rate and Earnings Multiple Varies, Year is Constant 2030 EPS						
Earnings Multiple	1.7	5%	10%	15%	20%	25%	30%
0	**$0.00**	$0.00	$0.00	$0.00	$0.00	$0.00	$ -
5	$4.77	$2.86	$1.75	$1.10	$0.70	$	0.46
10	$9.54	$5.72	$3.51	$2.20	$1.40	$	0.91
15	$14.31	$8.58	$5.26	$3.29	$2.10	$	1.37
20	$19.08	$11.44	$7.02	$4.39	$2.80	$	1.82
25	$23.85	$14.30	$8.77	$5.49	$3.50	$	2.28
30	$28.62	$17.16	$10.52	$6.59	$4.21	$	2.73
35	$33.39	$20.02	$12.28	$7.69	$4.91	$	3.19

Source: Dawson James

Exhibit 8. Sum of the Parts Model

Soligenix Inc. Sum of the Parts	LT Gr	Discount Rate	Yrs. to Mkt	% Success	Peak Sales MM's	Term Val
SGX301 (CTCL)	1%	30%	2	65%	$200	$690
NPV						$2.83
SGX942 (Oral Mucositis)	1%	30%	3	55%	$100	$345
NPV						$0.92
Pipeline	1%	30%	6	15%	$400	$1,379
NPV						$0.46
Net Margin						40%
MM Shrs OS						37
Total						$4

Source: Dawson James

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

Clinical Trial Risk. There can be no assurances that the outcome of the current trials is successful.

Commercial risk. Fluorescent Light Activated Synthetic Hypericin represents a new paradigm in the treatment of CTCL. Adoption may take longer than expected.

Employee risk. Soligenix Inc. has an experienced management team in their president and CEO, CFO, CSO, and CMO. Soligenix plans to bring their proposed products to market in the next two years. The success of the company may depend on the experience, abilities and continued services of its senior officers, sales staff, and key scientific personnel.

Financial risk. Soligenix is not a profitable company. While the company has a cash balance at this time, it's likely that they will need to raise additional capital continue to fund operations through NDA application and approval. There are no assurances that the company will be able to successfully raise capital and do so on favorable terms.

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 upon or will be held as valid if challenged, and the company may infringe on third party's patents.

Partnership risks. Soligenix depends on government funding for the public health solutions program. This funding can be canceled at any time.

Regulatory risk. Soligenix must be able to obtain NDA approval before commercial sales of their products can commence in the United States. The timing of these approvals is uncertain. Additionally, the government's biodefense priority might change affecting the commercial development of RiVax.

Exhibit 9. Income Statement

Soligenix Inc..: YE Dec. 31	1Q18A	2Q18A	3Q18A	4Q18A	2018A	1Q19A	2Q19E	3Q19E	4Q19E	2019E	2020E	2021E	2022E	2023E	2024E	2025E	2026E	2027E	2028E	2029E	2030E
Revenue ($000)																					
SGX942 (Mucositis) (WW)	-	-	-	-	-	-	-	-	-	-	-	13,123	31,811	50,871	73,013	95,592	118,617	142,092	160,396	170,527	183,714
SGX-301					-	-	-	-	-	-	-	3,699	5,940	8,479	11,347	14,440	17,865	21,653	25,587	28,370	31,368
Total Product Sales	-	-	-	-	-	-	-	-	-	-	-	16,822	37,750	59,349	84,359	110,032	136,482	163,744	185,984	198,897	215,082
% Chg																					
License Revenue	777	1,368	1,064	756	3,965	640															
Grant Revenue	342	358	317	259	1,276	505															
Cost of Grant Revenue	(979)	(1,494)	(1,237)	(888)	(4,598)	(928)															
% Sequential Growth																					
Total Revenues	**141**	**232**	**144**	**127**	**644**	**217**	-	-	-	-	-	**16,822**	**37,750**	**59,349**	**84,359**	**110,032**	**136,482**	**163,744**	**185,984**	**198,897**	**215,082**
Expenses																					
Cost of Goods Sold & Acquired in Process R&D	-	-	-	-	-	-	-	-	-	-	-	1,682	3,775	5,935	8,436	11,003	13,648	16,374	18,598	19,890	21,508
COGS % Sales											10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%
Research and development	1,803	1,170	1,395	2,382	6,751	1,643	1,655	1,700	1,725	6,723	6,857	6,994	7,134	7,277	7,423	7,571	7,722	7,877	8,034	8,195	8,359
R&D % Rev's																					
G&A	732	651	668	902	2,952	874	900	920	915	3,609	3,681	3,755	3,830	3,907	3,985	4,065	4,146	4,229	4,313	4,400	4,488
G&A																					
Stock-based compensation - R&D																					
Stock-based compensation - G&A																					
Non-GAAP, Adj																					
Total expenses	**2,535**	**1,821**	**2,063**	**3,284**	**9,703**	**2,517**	**2,555**	**2,620**	**2,640**	**10,332**	**10,539**	**12,432**	**14,739**	**17,119**	**19,843**	**22,639**	**25,516**	**28,480**	**30,946**	**32,484**	**34,355**
Oper. Inc. (Loss)	(2,394)	(1,589)	(1,919)	(3,157)	(9,059)	(2,300)	(2,555)	(2,620)	(2,640)	(10,332)	(10,539)	4,390	23,011	42,231	64,516	87,393	110,966	135,264	155,038	166,412	180,727
Oper Margin	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	0	1	1	1	1	1	1	1	1	1
Interest Income	17	33	57	52	159	50															
Interest expense																					
Other Income (expense)																					
Change in fair value of warrant liability																					
Pre-tax income	**(2,377)**	**(1,556)**	**(1,862)**	**(3,105)**	**(8,900)**	**(2,250)**	**(2,555)**	**(2,620)**	**(2,640)**	**(10,332)**	**(10,539)**	**4,391**	**23,011**	**42,231**	**64,517**	**87,394**	**110,966**	**135,265**	**155,038**	**166,413**	**180,728**
Pretax Margin	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	0	1	1	1	1	1	1	1	1	1
Income Tax (Benefit)	-	-	-	-		-	(383)	(393)	(396)	(1,172)	(2,108)	1,098	6,904	14,359	21,936	29,715	37,729	45,991	52,714	56,581	61,448
Tax Rate	0%	0%	0%	0%	0%	0%	15%	15%	15%	15%	20%	25%	30%	34%	34%	34%	34%	34%	34%	34%	34%
GAAP Net Income (loss)	**(2,377)**	**(1,556)**	**(1,862)**	**(3,105)**	**(8,900)**	**(2,250)**	**(2,172)**	**(2,227)**	**(2,244)**	**(8,893)**	**(8,431)**	**3,293**	**16,109**	**27,874**	**42,583**	**57,682**	**73,239**	**89,277**	**102,327**	**109,834**	**119,282**
GAAP-EPS	**(0.27)**	**(0.18)**	**(0.11)**	**(0.24)**	**(0.79)**	**(0.12)**	**(0.12)**	**(0.12)**	**(0.12)**	**(0.48)**	**(0.32)**	**0.13**	**0.59**	**0.99**	**1.45**	**1.88**	**2.30**	**2.69**	**2.96**	**3.06**	**3.19**
Non GAAP EPS (dil)	(0.27)	(0.18)	(0.11)	(0.24)	(0.30)	(0.09)	(0.12)	(0.12)	(0.12)	(0.45)	(0.32)	0.13	0.59	0.99	1.45	1.88	2.30	2.69	2.96	3.06	3.19
Wgtd Avg Shrs (Bas) - '000s	8,735	8,743	17,495	13,178	13,178	18,079	18,260	18,442	18,627	18,352	24,675	26,190	27,253	28,360	29,511	30,709	31,956	33,254	34,604	36,009	37,471
Wgtd Avg Shrs (Dil) - '000s	8,735	8,743	17,495	13,178	13,178	18,079	18,260	18,442	18,627	18,352	24,675	26,190	27,253	28,360	29,511	30,709	31,956	33,254	34,604	36,009	37,471

Source: Dawson James and Company Reports

Important Disclosures:

Price Chart:

Price target and rating changes over the past three years:
Initiated – Buy – August 5, 2019 – Price Target $3.00

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Ratings Distribution	# of Companies	% of Total	# of Companies	% of Totals
Market Outperform (Buy)	43	86%	13	30%
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Market Underperform (Sell)	0	0%	0	0%
Total	50	100%	13	26%

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