



Contact Information

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Licensed ETF

**ALPS Medical Breakthroughs ETF**  
Ticker: SBIO

This is not an offer to purchase or sell shares of the above listed funds. All purchases or sales of shares must be pursuant to a current private offering memorandum for the relevant fund or funds.

Information about the index, including rule book, company description and historic data, can be found at:  
[www.snetmedicalindexes.com](http://www.snetmedicalindexes.com)

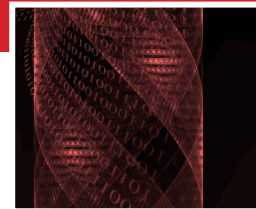
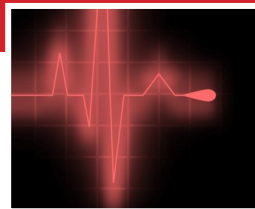
TICKERS:

**S-Network Medical Breakthroughs Index: PMBI**

**S-Network Medical Breakthroughs Total Return Index: PMBITR**

June 2019

Inquire about our custom institutional benchmarking services



**Q2 2019 Review: S-Network Medical Breakthroughs Index**

**Index Performance.** The S-Network Medical Breakthroughs Total Return Index (TICKER: PMBITR) increased +0.17% from 8483.52 to 8497.66 in the quarter ended June 30, 2019. This compares to an increase in The S-Network US Equity Large-Cap 500 Total Return Index (TICKER: SN500T) of +4.38% and a decrease in the Dynamic Biotech & Genome Intellidex Total Return Index (TICKER: DZOTR) of -2.81%.

The S-Network Medical Breakthroughs Index rose +0.30% in the past 12 months. This compares to a +10.36% rise in the S-Network US Equity Large-Cap 500 Total Return Index and a -1.66% fall in the Dynamic Biotech & Genome Intellidex Total Return Index.

**Index Description.** The S-Network Medical Breakthroughs Index (TICKER: PMBI) is designed to capture research and development opportunities in the healthcare industry. PMBI consists of small-cap and mid-cap biotechnology stocks listed on US stock exchanges that have one or more drugs in either Phase II or Phase III US FDA clinical trials.

**Inclusion Criteria.** PMBI consists of companies listed on US stock exchanges that are principally engaged in the biotechnology industry. Constituents must have a market capitalization of no less than \$200 million and no more than \$5 billion. Constituents must sustain an average daily trading volume in excess of \$1 million for the 90-day period preceding a reconstitution. Constituents must have one or more drugs in either Phase II or Phase III US FDA clinical trials. Constituents must be able to sustain their cash burn rates for at least 24 months.

**Weighting Methodology.** PMBI uses a modified capitalization weighting methodology, which is not adjusted for float. The index weight of the largest stock is capped at 4.5% and the excess weight is redistributed proportionately over the remainder of the index.

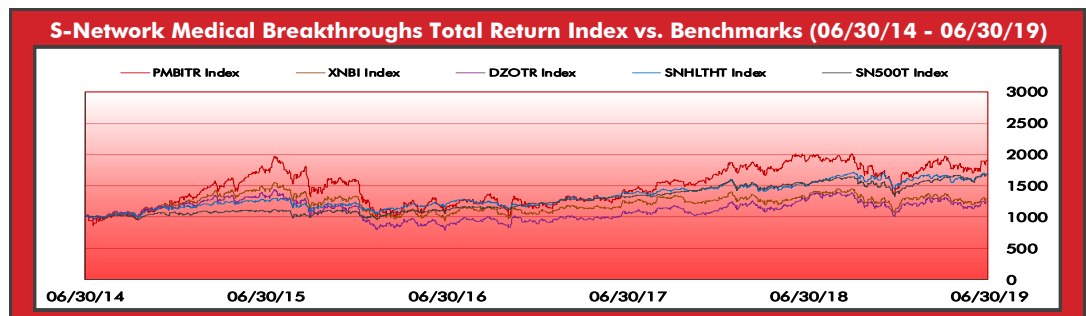
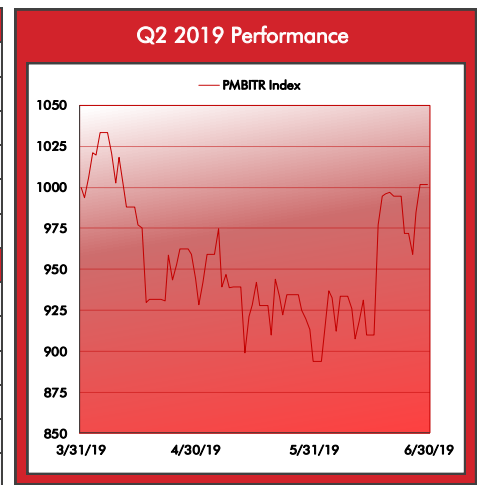
**Rebalancing.** PMBI is reconstituted semi-annually at close of trading on the third Fridays of June and December of each year. In addition, PMBI is rebalanced quarterly at the close of trading on the third Friday of the last month of each calendar quarter.

**Index Data.** PMBI is calculated daily by S&P Dow Jones Indices. Daily values from December 31, 2006 are available on the index website and through various data vendors. End-of-day index values are distributed daily via the NYSE Global Index Feed (GIF).

Leading Movers				
Company Name	Ticker	Opening	Closing	Change
ARQLE INC	ARQL UQ	4.79	11.01	129.85%
G1 THERAPEUTICS INC	GTHX UQ	16.60	30.66	84.70%
MEIRAGTX HOLDING PLC	MGTX UQ	17.23	26.88	56.01%
VOYAGER THERAPEUTICS INC.	VYGR UQ	19.14	27.22	42.22%
MIRATI THERAPEUTICS INC	MRTX UQ	73.30	103.00	40.52%

Lagging Movers				
Company Name	Ticker	Opening	Closing	Change
SAVARA INC	SVRA UQ	7.37	2.37	-67.84%
PUMA BIOTECHNOLOGY INC.	PBYI UQ	38.79	12.71	-67.23%
ADURO BIOTECH INC	ADRO UQ	3.98	1.54	-61.31%
ACORDA THERAPEUTICS	ACOR UQ	13.29	7.67	-42.29%
MANNKIND CORP	MNKD UQ	1.97	1.15	-41.62%



\*Note: This chart is a normalized historical graph  
Data Source: Bloomberg Data as of June 30, 2019

This chart is for illustrative purposes only. Historical information is not indicative of future results; current data may differ from data quoted. Investors cannot invest directly in index. Index returns do not reflect any management fees or brokerage expenses.

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Index Statistical Profile

Capitalization Profile	
Number of Constituents	76
TOTAL MARKET CAPITALIZATION	92.91 Billion USD
LARGEST MARKET CAPITALIZATION	3.93 Billion USD
SMALLEST MARKET CAPITALIZATION	89.40 Million USD
AVERAGE MARKET CAPITALIZATION	1.22 Billion USD
MEDIAN MARKET CAPITALIZATION	810.19 Million USD

Total Return Appreciation					
	PMBITR	XNBI	DZOTR	SNHLTHT	SN500T
10 Year	793.49%	372.54%	311.61%	334.72%	295.17%
5 Year	91.12%	30.32%	25.01%	68.93%	67.55%
3 Year	68.16%	29.15%	46.52%	39.18%	50.73%
1 Year	0.30%	-0.20%	-1.66%	12.87%	10.36%

Compound Annual Growth Rate (CAGR)					
	PMBITR	XNBI	DZOTR	SNHLTHT	SN500T
10 Year	24.48%	16.80%	15.20%	15.83%	14.73%
5 Year	13.83%	5.44%	4.57%	11.06%	10.87%
3 Year	18.92%	8.90%	13.58%	11.65%	14.66%
1 Year	0.30%	-0.20%	-1.66%	12.87%	10.36%

Annualized Standard Deviation (Monthly)					
	PMBITR	XNBI	DZOTR	SNHLTHT	SN500T
10 Year	26.99%	21.19%	22.93%	12.80%	12.76%
5 Year	31.10%	23.26%	24.67%	13.68%	12.18%
3 Year	27.19%	22.11%	22.79%	13.95%	12.35%
1 Year	30.78%	28.70%	27.72%	18.91%	19.25%

Sharpe Ratio					
	PMBITR	XNBI	DZOTR	SNHLTHT	SN500T
10 Year	0.9377	0.8215	0.7149	1.1799	1.1072
5 Year	0.5493	0.3077	0.2712	0.7715	0.8370
3 Year	0.7224	0.4305	0.6101	0.7587	1.0581
1 Year	0.0783	0.0466	-0.0138	0.6091	0.4842

\*All data as of June 30, 2019

\*\*Dependent variable shown in Column Headers, Independent shown in Row Headers

Top Ten Constituents			
Company	Ticker	Country	Weight
FIBROGEN INC	FGEN UQ	United States	4.25%
ACADIA PHARMACEUTICALS INC	ACAD UQ	United States	4.21%
MIRATI THERAPEUTICS INC	MRTX UQ	United States	4.05%
ALKERMES PLC	ALKS UQ	United States	3.86%
UNITED THERAPEUTICS CORP	UTHR UQ	United States	3.73%
MORPHOSYS AG ADR	MOR UQ	Germany	3.35%
GLOBAL BLOOD THERAPEUTICS INC.	GBT UQ	United States	3.24%
UNIQUIRE B.V.	QURE UQ	Netherlands	3.21%
AGIOS PHARMACEUTICALS INC	AGIO UQ	United States	3.20%
ARENA PHARMACEUTICALS INC	ARNA UQ	United States	3.17%

Beta Matrix** (5 Year/Monthly)					
	PMBITR	XNBI	DZOTR	SNHLTHT	SN500T
PMBITR	1.0000	0.6984	0.7350	0.3494	0.2494
XNBI	1.2486	1.0000	1.0359	0.5260	0.3757
DZOTR	1.1676	0.9204	1.0000	0.4798	0.3499
SNHLTHT	1.8042	1.5195	1.5597	1.0000	0.7178
SN500T	1.6257	1.3701	1.4358	0.9060	1.0000

Correlation Matrix** (5 Year/Monthly)					
	PMBITR	XNBI	DZOTR	SNHLTHT	SN500T
PMBITR	1.0000				
XNBI	0.9339	1.0000			
DZOTR	0.9263	0.9765	1.0000		
SNHLTHT	0.7939	0.8940	0.8651	1.0000	
SN500T	0.6367	0.7175	0.7088	0.8064	1.0000

R-Square Matrix** (5 Year/Monthly)					
	PMBITR	XNBI	DZOTR	SNHLTHT	SN500T
PMBITR	1.0000				
XNBI	0.8721	1.0000			
DZOTR	0.8581	0.9535	1.0000		
SNHLTHT	0.6303	0.7993	0.7484	1.0000	
SN500T	0.4054	0.5148	0.5024	0.6503	1.0000

Index Composition

