

Healthcare

25th April 2019

NOVARTIS

Healthcare Pharmaceuticals

BUY

Fair Value	CHF90(+16%)
Share price	CHF79.82
EPS 3Y Cagr	6.6%

High-level confidence in sustainable margin growth

Zolgensma attracted most of the questions during the call

The Q&A session of the conference call was led by questions about Zolgensma, all very different in nature, ranging from the expected label to the anticipated pricing, including the case of a second death in the clinical trials. The drug is clearly attracting a high level of interest since it is one that could make a huge difference depending on whether or not it meets demanding expectations. In other words, it could go from hundreds of millions to several billions in peak sales within just a few years, with very high margins too, considering the very limited commercial investment.

Novartis again underscored the very constructive ongoing discussions with regulators and payers which, with only a few days prior to the expected FDA decision, should tell a lot about the degree of confidence the company has in receiving positive feedback. Actually, the trickiest question to answer is that concerning the label the drug could obtain and in particular whether it could go beyond SMA type 1. The reservation is mainly about the administration route since the iv formulation can only work in babies weighing less than 8.5 kg, which more or less restricts the scope to SMA type 1. And if not on the label, then the price is likely to play against off label use. While we (and the consensus) are expecting the drug to exceed USD100m in sales this year, we diverge on the following years with USD1.2bn in sales anticipated by the CS in 2021 whereas we believe this level can be achieved as early as next year. We are maintaing this estimate for the time being.

Margins on the right track to reach 2022 goal

Core operating margin in IM up 200bp in Q1 2019 was clearly the other topic of focus during the call. Management was very pleased about this impressive increase which was described as a consequence of a positive product mix (with specialty and oncology drugs over-performing) and of a "renewed commitment to productivity" with a continuous delivery of savings from the NTO and NBS initiatives.

It bodes well in terms of delivering mid-term guidance to reach the mid-30s level by 2022 which now looks even pretty close (33.3% in Q1). That said, Novartis also warned that Q1 should not be extrapolated because it was certainly the most favourable quarter from a generic impact perspective. Indeed, the group anticipates more pressure to play on both Afinitor and Exjade. With a 70bp improvement over the full year, we put ourselves on the safe side and any surprise can only be positive.

FV unchanged at CHF90

Despite the positive developments in Q1 for top-line growth and operating margins, our FV remains unchanged because we see more phasing patterns than absolute changes to make to our forecasts. The FV is also negatively impacted by later-thanexpected divestment of poorly performing US Gx brands to Aurobindo (Q3 rather than our estim. Q2) and by a higher-than-expected share count in Q1 and therefore an average for the full year to calculate core EPS. This also takes into account continuing business (i.e. ex-Alcon). Novartis remains a BUY.

Eric Le Berrigaud

33(0) 1 56 68 75 33 eleberrigaud@brvangarnier.com

Market Data

	market bata				
,	Bloomberg / Reuter	NOVN VX/NOVN.VX			
	Market Cap.			CHF2	03,591m
	E.V.			CHF2	05,159m
	Free Float				100%
	Avg. Daily volume (6		4,959 CHF84.9 / CHF64		
	12m high / low				
	Ytd Perf.				-5.0%
	usdM	12/18	12/19e	12/20e	12/21
	Sales	51.900	46.385	48.395	50.389

usdM	12/18	12/19e	12/20e	12/21e
Sales	51,900	46,385	48,395	50,389
% Change		-10.6%	4.3%	4.1%
EBITDA	8,199	16,185	17,098	17,601
% Change		97.4%	5.6%	2.9%
EBIT	8,199	10,185	11,098	12,101
% Change		24.2%	9.0%	9.0%
Net Income	12,641	8,546	9,434	10,399
% Change		-32.4%	10.4%	10.2%
ROE	0.17	0.11	0.12	0.12

	12/18	12/19e	12/20e	12/21e
EV/Sales	3.9x	4.3x	4.0x	3.7x
EV/EBITDA	24.6x	12.3x	11.2x	10.5x
EV/EBIT	24.6x	19.5x	17.3x	15.3x
EPS	4.71	5.02	5.32	5.71
% change		6.5%	6.1%	7.3%
P/E	16.7x	15.6x	14.7x	13.7x
Div Yield	3.6%	3.4%	3.4%	3.6%

Next Catalyst: 08/05/2019 - Conference Call AAN

Last rating Change:

2018-7-2, If Alcon is worth USD22-23bn, then our FV is CHF95

Last FV Change:

2019-4-10, New temporary FV set at CHF90 per Novartis share post Alcon spin-off

Last Reports:

2019-4-24, Strong first quarter for Innovative Medicines



Bryan Garnier stock rating system

For the purposes of this Report, the Bryan Garnier stock rating system is defined as follows:

Stock rating

SELL

BUY Positive opinion for a stock where we expect a favourable performance in absolute terms over a period of 6 months from

the publication of a recommendation. This opinion is based not only on the FV (the potential upside based on valuation), but also takes into account a number of elements that could include a SWOT analysis, momentum, technical aspects or the sector backdrop. Every subsequent published update on the stock will feature an introduction outlining the key reasons

behind the opinion.

NEUTRAL Opinion recommending not to trade in a stock short-term, neither as a BUYER or a SELLER, due to a specific set of factors.

This view is intended to be temporary. It may reflect different situations, but in particular those where a fair value shows no significant potential or where an upcoming binary event constitutes a high-risk that is difficult to quantify. Every

subsequent published update on the stock will feature an introduction outlining the key reasons behind the opinion.

Negative opinion for a stock where we expect an unfavourable performance in absolute terms over a period of 6 months from the publication of a recommendation. This opinion is based not only on the FV (the potential downside based on valuation), but also takes into account a number of elements that could include a SWOT analysis, momentum, technical

aspects or the sector backdrop. Every subsequent published update on the stock will feature an introduction outlining the key reasons behind the opinion.

Distribution of stock ratings

BUY ratings 49.1% NEUTRAL ratings 43.6% SELL ratings 7.3%

Research Disclosure Legend

Susuer shareholding in Bryan Garnier The Issuer has a shareholding that exceeds 5% of the paid up and issued share capital of one or more members of the Bryan Garnier Group. No or more members of the Bryan Garnier Group holds one or more financial interests in relation to the Issuer which are significant in relation to this report	1	Bryan Garnier shareholding in Issuer	Bryan Garnier & Co Limited or another company in its group (together, the "Bryan Garnier Group") has a shareholding that, individually or combined, exceeds 5% of the paid up and issued share capital of a company that is the subject of this Report (the "Issuer").	No
Issuer which are significant in relation to this report	2			No
liquidity provider of the Issuer or in any related derivatives. Lead/co-lead manager or line the past twelve months, a member of the Bryan Garnier Group has been lead manager or co-lead manager or fone or more publicly disclosed offers of securities of the Issuer or in any related derivatives. A member of the Bryan Garnier Group is or has in the past twelve months been party to an agreement with the Issuer relating to the provision of investment banking services, or has in that period received payment or been promised payment in respect of such services. A member of the Bryan Garnier Group is party to an agreement with the Issuer relating to the provision of investment banking services, or has in that period received payment or been promised payment in respect of such services. A member of the Bryan Garnier Group is party to an agreement with the Issuer relating to the provision of this Report for purchase of shares in Issuer Party of the Bryan Garnier Group is party to an agreement with the Issuer relating to the provision of this Report has received or purchased shares of the Issuer prior to a public offering of those shares. The investment analyst or another person involved in the preparation of this Report has received or purchased shares of the Issuer prior to a public offering of those shares. In the past twelve months a member of the Bryan Garnier Group has been remunerated for providing corporate finance services to the issuer or may expect to receive or intend to seek remuneration for corporate finance services from the Issuer in the next six months. Analyst has short position in the securities or another person involved in the preparation of this Report has a short position in the securities or derivatives of the Issuer. Analyst has long position in the securities or another person involved in the preparation of this Report has a long position in the securities or derivatives of the Issuer. A partner, director, officer, employee or agent of the Bryan Garnier Group, or a member of such person	3	Financial interest		No
co-lead manager of one or more publicly disclosed offers of securities of the Issuer or in any related derivatives. A member of the Bryan Garnier Group is or has in the past twelve months been party to an agreement with the Issuer relating to the provision of investment banking services, or has in that period received payment or been promised payment in respect of such services. A member of the Bryan Garnier Group is party to an agreement with the Issuer relating to the production of this Report. A member of the Bryan Garnier Group is party to an agreement with the Issuer relating to the production of this Report. The investment analyst or another person involved in the preparation of this Report has received or purchased shares of the Issuer prior to a public offering of those shares. The remuneration of the investment analyst or other persons involved in the preparation of this Report is tied to investment banking transactions performed by the Bryan Garnier Group. In the past twelve months a member of the Bryan Garnier Group has been remunerated for providing corporate finance services to the issuer or may expect to receive or intend to seek remuneration for corporate finance services from the Issuer in the next six months. The investment analyst or another person involved in the preparation of this Report has a short position The investment analyst or another person involved in the preparation of this Report has a short position in the securities or derivatives of the Issuer. Analyst has long position in the securities or derivatives of the Issuer. Analyst name of the Bryan Garnier Group, or a member of such person's household, is a partner, director, officer or an employee of, or adviser to, the Issuer or one of its parents or subsidiaries. The name of such person or persons is disclosed above. Analyst disclosure Analyst disclosure The analyst hereby certifies that neither the views expressed in the research, nor the timing of the publication of the research has been influenced by any knowledge	4			No
agreement with the Issuer relating to the provision of investment banking services, or has in that period received payment or been promised payment in respect of such services. A member of the Bryan Garnier Group is party to an agreement with the Issuer relating to the production of this Report. B Analyst receipt or purchase of shares in Issuer P Remuneration of analyst The investment analyst or another person involved in the preparation of this Report has received or purchased shares of the Issuer prior to a public offering of those shares. I The remuneration of the investment analyst or other persons involved in the preparation of this Report is tied to investment banking transactions performed by the Bryan Garnier Group. In the past twelve months a member of the Bryan Garnier Group has been remunerated for providing corporate finance services to the issuer or may expect to receive or intend to seek remuneration for corporate finance services from the Issuer in the next six months. The investment analyst or another person involved in the preparation of this Report has a short position The investment analyst or another person involved in the preparation of this Report has a long position The investment analyst or another person involved in the preparation of this Report has a long position The investment analyst or another person involved in the preparation of this Report has a long position The investment analyst or another person involved in the preparation of this Report has a long position Analyst has long position and provide another person involved in the preparation of this Report has a long position The investment analyst or another person involved in the preparation of this Report has a long position A provide an analyst or another person involved in the preparation of this Report has a long position in the securities or derivatives of the Issuer. A partner, director, officer or an employee of, or adviser to, the Issuer or one of its parents or subsidiaries. The name of such person or p	5	Lead/co-lead manager	co-lead manager of one or more publicly disclosed offers of securities of the Issuer or in any	No
production of this Report. Analyst receipt or purchase of shares in Issuer Remuneration of analyst The investment analyst or another person involved in the preparation of this Report has received or purchased shares of the Issuer prior to a public offering of those shares. The remuneration of the investment analyst or other persons involved in the preparation of this Report is tied to investment banking transactions performed by the Bryan Garnier Group. In the past twelve months a member of the Bryan Garnier Group has been remunerated for providing corporate finance services to the issuer or may expect to receive or intend to seek remuneration for corporate finance services from the Issuer in the next six months. The investment analyst or another person involved in the preparation of this Report has a No short position The investment analyst or another person involved in the preparation of this Report has a long position The investment analyst or another person involved in the preparation of this Report has a long position in the securities or derivatives of the Issuer. A partner, director, officer, employee or agent of the Bryan Garnier Group, or a member of such person's household, is a partner, director, officer or an employee of, or adviser to, the Issuer or one of its parents or subsidiaries. The name of such person or persons is disclosed above. The analyst hereby certifies that neither the views expressed in the research, nor the timing of the publication of the research has been influenced by any knowledge of clients positions and that the views expressed in the report accurately reflect his/her personal views about the investment and issuer to which the report relates and that no part of his/her remuneration was, is or will be, directly or indirectly, related to the specific recommendations or views expressed in the report. Other disclosures Other specific disclosures: Report sent to Issuer to verify factual accuracy (with the	6	9	agreement with the Issuer relating to the provision of investment banking services, or has in	No
purchase of shares in Issuer Remuneration of analyst The remuneration of the investment analyst or other persons involved in the preparation of this Report is tied to investment banking transactions performed by the Bryan Garnier Group. In the past twelve months a member of the Bryan Garnier Group has been remunerated for providing corporate finance services to the issuer or may expect to receive or intend to seek remuneration for corporate finance services from the Issuer in the next six months. Analyst has short position The investment analyst or another person involved in the preparation of this Report has a short position in the securities or derivatives of the Issuer. The investment analyst or another person involved in the preparation of this Report has a long position position in the securities or derivatives of the Issuer. Analyst has long position in the securities or derivatives of the Issuer. A partner, director, officer, employee or agent of the Bryan Garnier Group, or a member of such person's household, is a partner, director, officer or an employee of, or adviser to, the Issuer or one of its parents or subsidiaries. The name of such person or persons is disclosed above. The analyst hereby certifies that neither the views expressed in the research, nor the timing of the publication of the research has been influenced by any knowledge of clients positions and that the views expressed in the report accurately reflect his/her personal views about the investment and issuer to which the report relates and that no part of his/her remuneration was, is or will be, directly or indirectly, related to the specific recommendations or views expressed in the report. Other disclosures Other specific disclosures: Report sent to Issuer to verify factual accuracy (with the	7	Research agreement		No
this Report is tied to investment banking transactions performed by the Bryan Garnier Group. Corporate finance client In the past twelve months a member of the Bryan Garnier Group has been remunerated for providing corporate finance services to the issuer or may expect to receive or intend to seek remuneration for corporate finance services from the Issuer in the next six months. The investment analyst or another person involved in the preparation of this Report has a short position in the securities or derivatives of the Issuer. Analyst has long position The investment analyst or another person involved in the preparation of this Report has a long position in the securities or derivatives of the Issuer. A partner, director, officer, employee or agent of the Bryan Garnier Group, or a member of such person's household, is a partner, director, officer or an employee of, or adviser to, the Issuer or one of its parents or subsidiaries. The name of such person or persons is disclosed above. Analyst disclosure The analyst hereby certifies that neither the views expressed in the research, nor the timing of the publication of the research has been influenced by any knowledge of clients positions and that the views expressed in the report accurately reflect his/her personal views about the investment and issuer to which the report relates and that no part of his/her remuneration was, is or will be, directly or indirectly, related to the specific recommendations or views expressed in the report. Other disclosures Other specific disclosures: Report sent to Issuer to verify factual accuracy (with the	8	purchase of shares in		No
providing corporate finance services to the issuer or may expect to receive or intend to seek remuneration for corporate finance services from the Issuer in the next six months. 11 Analyst has short position 12 Analyst has long position 13 Bryan Garnier executive is an officer 14 Analyst disclosure 15 Other disclosures 16 Analyst disclosures Providing corporate finance services to the issuer or may expect to receive or intend to seek remuneration for corporate finance services from the Issuer in the next six months. 16 Analyst has long position in the securities or derivatives of the Issuer. 17 The investment analyst or another person involved in the preparation of this Report has a long position in the securities or derivatives of the Issuer. 18 Analyst Garnier executive is an officer 19 A partner, director, officer, employee or agent of the Bryan Garnier Group, or a member of such person's household, is a partner, director, officer or an employee of, or adviser to, the Issuer or one of its parents or subsidiaries. The name of such person or persons is disclosed above. 10 Analyst disclosure 11 Analyst disclosure 12 Analyst disclosure 13 Drive disclosure 14 Analyst disclosure 15 Other disclosures Providing corporate finance services from the Issuer to verify factual accuracy (with the No	9	Remuneration of analyst		No
position short position in the securities or derivatives of the Issuer. 12 Analyst has long position The investment analyst or another person involved in the preparation of this Report has a long position position in the securities or derivatives of the Issuer. 13 Bryan Garnier executive is an officer Apartner, director, officer, employee or agent of the Bryan Garnier Group, or a member of such person's household, is a partner, director, officer or an employee of, or adviser to, the Issuer or one of its parents or subsidiaries. The name of such person or persons is disclosed above. 14 Analyst disclosure The analyst hereby certifies that neither the views expressed in the research, nor the timing of the publication of the research has been influenced by any knowledge of clients positions and that the views expressed in the report accurately reflect his/her personal views about the investment and issuer to which the report relates and that no part of his/her remuneration was, is or will be, directly or indirectly, related to the specific recommendations or views expressed in the report. 15 Other disclosures Other specific disclosures: Report sent to Issuer to verify factual accuracy (with the No	10	Corporate finance client	providing corporate finance services to the issuer or may expect to receive or intend to seek	No
position position in the securities or derivatives of the Issuer. 13 Bryan Garnier executive is an officer A partner, director, officer, employee or agent of the Bryan Garnier Group, or a member of such person's household, is a partner, director, officer or an employee of, or adviser to, the Issuer or one of its parents or subsidiaries. The name of such person or persons is disclosed above. 14 Analyst disclosure The analyst hereby certifies that neither the views expressed in the research, nor the timing of the publication of the research has been influenced by any knowledge of clients positions and that the views expressed in the report accurately reflect his/her personal views about the investment and issuer to which the report relates and that no part of his/her remuneration was, is or will be, directly or indirectly, related to the specific recommendations or views expressed in the report. Other disclosures Other specific disclosures: Report sent to Issuer to verify factual accuracy (with the No	11			No
is an officer such person's household, is a partner, director, officer or an employee of, or adviser to, the Issuer or one of its parents or subsidiaries. The name of such person or persons is disclosed above. The analyst hereby certifies that neither the views expressed in the research, nor the timing of the publication of the research has been influenced by any knowledge of clients positions and that the views expressed in the report accurately reflect his/her personal views about the investment and issuer to which the report relates and that no part of his/her remuneration was, is or will be, directly or indirectly, related to the specific recommendations or views expressed in the report. Other disclosures Other specific disclosures: Report sent to Issuer to verify factual accuracy (with the	12			No
of the publication of the research has been influenced by any knowledge of clients positions and that the views expressed in the report accurately reflect his/her personal views about the investment and issuer to which the report relates and that no part of his/her remuneration was, is or will be, directly or indirectly, related to the specific recommendations or views expressed in the report. 15 Other disclosures Other specific disclosures: Report sent to Issuer to verify factual accuracy (with the No	13	Bryan Garnier executive is an officer	such person's household, is a partner, director, officer or an employee of, or adviser to, the Issuer or one of its parents or subsidiaries. The name of such person or persons is disclosed	No
	14	Analyst disclosure	of the publication of the research has been influenced by any knowledge of clients positions and that the views expressed in the report accurately reflect his/her personal views about the investment and issuer to which the report relates and that no part of his/her remuneration was, is or will be, directly or indirectly, related to the specific recommendations or views	Yes
	15	Other disclosures		No

A copy of the Bryan Garnier & Co Limited conflicts policy in relation to the production of research is available at www.bryangarnier.com



London	Paris	Munich	Zurich	New York
Bryan, Garnier & Co Ltd	Bryan, Garnier & Co Ltd	Bryan, Garnier & Co. GmbH	Bryan, Garnier & Co	Bryan Garnier Securities
Beaufort House	26 Avenue des Champs-	Widenmayerstrasse 29	Theaterstrasse 4	750 Lexington Avenue
15 St. Botolph Street	Elysées	80538 Munich	8001 Zurich	16th floor
London EC3A 7BB	75008 Paris	Germany	Switzerland	New York, NY 10022
United Kingdom	France			United States
+44 207 332 2500	+33 1 56 68 75 20	+49 89 2422 62 11	+41 44 991 3300	+1 212 337 7000

IMPORTANT INFORMATION

This document is classified under the FCA Handbook as being investment research (independent research). Bryan, Garnier & Co Limited has in place the measures and arrangements required for investment research as set out in the FCA's Conduct of Business Sourcebook.

This report is prepared by Bryan, Garnier & Co Limited, registered in England Number 03034095 and its MIFID branch registered in France Number 452 605 512. Bryan, Garnier & Co Limited is authorized and regulated by the Financial Conduct Authority (Firm Reference Number 178733) and is a member of the London Stock Exchange. Registered address: Beaufort House 15 St. Botolph Street, London EC3A 7BB, United Kingdom.

This Report is provided for information purposes only and does not constitute an offer, or a solicitation of an offer, to buy or sell relevant securities, including securities mentioned in this Report and options, warrants or rights to or interests in any such securities. This Report is for general circulation to clients of the Firm and as such is not, and should not be construed as, investment advice or a personal recommendation. No account is taken of the investment objectives, financial situation or particular needs of any

The information and opinions contained in this Report have been compiled from and are based upon generally available information which the Firm believes to be reliable but the accuracy of which cannot be guaranteed. All components and estimates given are statements of the Firm, or an associated company's, opinion only and no express representation or warranty is given or should be implied from such statements. All opinions expressed in this Report are subject to change without notice. To the fullest extent permitted by law neither the Firm nor any associated company accept any liability whatsoever for any direct or consequential loss arising from the use of this Report. Information may be available to the Firm and/or associated companies which are not reflected in this Report. The Firm or an associated company may have a consulting relationship with a company which is the subject of this Report.

This Report may not be reproduced, distributed or published by you for any purpose except with the Firm's prior written permission. The Firm reserves all rights in relation to this Report.

Past performance information contained in this Report is not an indication of future performance. The information in this report has not been audited or verified by an independent party and should not be seen as an indication of returns which might be received by investors. Similarly, where projections, forecasts, targeted or illustrative returns or related statements or expressions of opinion are given ("Forward Looking Information") they should not be regarded as a guarantee, prediction or definitive statement of fact or probability. Actual events and circumstances are difficult or impossible to predict and will differ from assumptions. A number of factors, in addition to the risk factors stated in this Report, could cause actual results to differ materially from those in any Forward Looking Information.

Disclosures specific to clients in the United Kingdom This Report has not been approved by Bryan, Garnier & Co Limited for the purposes of section 21 of the Financial Services and Markets Act 2000 because it is being distributed in the United Kingdom only to persons who have been classified by Bryan, Garnier & Co Limited as professional clients or eligible counterparties. Any recipient who is not such a person should return the Report to Bryan Garnier & Co Limited immediately and should not rely on it for any purposes whatsoever.

This Report is based on information obtained from sources that Bryan, Garnier & Co Limited believes to be reliable and, to the best of its knowledge, contains no misleading, untrue or false statements but which it has not independently verified. Neither Bryan, Garnier & Co Limited and/or Bryan Garnier Securities LLC make no guarantee, representation or warranty as to its

accuracy or completeness. Expressions of opinion herein are subject to change without notice. This Report is not an <u>offer to buy or sell any security</u>.

Bryan Garnier Securities, LLC and/or its affiliate, Bryan Garnier & Co Limited may own more than 1% of the securities of the company(ies) which is (are) the subject matter of this Report, may act as a market maker in the securities of the company(ies) discussed herein, may manage or co-manage a public offering of securities for the subject company(ies), may sell such securities to or buy them from customers on a principal basis and may also perform or seek to perform investment banking services for the company(ies).

Bryan Garnier Securities, LLC and/or Bryan, Garnier & Co Limited are unaware of any actual, material conflict of interest of the research analyst who prepared this Report and are also not aware that the research analyst knew or had reason to know of any actual, material conflict of interest at the time this Report is distributed or made available.

Notice to US investors

This research report (the "Report") was prepared by Bryan Garnier & Co Limited for information purposes only. The Report is intended for distribution in the United States to "Major US Institutional Investors" as defined in SEC Rule 15a-6 and may not be furnished to any other person in the United States. Each Major US Institutional Investor which receives a copy of this Report by its acceptance hereof represents and agrees that it shall not distribute or provide this Report to any other person. Any US person that desires to effect transactions in any security discussed in this Report should call or write to our US affiliated broker, Bryan Garnier Securities, LLC. 750 Lexington Avenue, New York NY 10022. Telephone: 1-212-337-7000.