

Fixed-income securities

Credit ratings of Novartis AG

	Moody's Investors Service	S&P Global Ratings
Short term	P-1	A-1+
Long term	Aa3	AA-
Outlook	Stable	Stable

Sustainability-linked bond

- USD securities
- CHF securities
- EUR securities

USD fixed-income securities

Issuer	Amount (in millions)	Coupon	Maturity
Novartis Capital Corp.	1,750	3.000%	2025
Novartis Capital Corp.	1,250	2.000%	2027
Novartis Capital Corp.	1,000	3.100%	2027
Novartis Capital Corp.	1,000	3.800%	2029
Novartis Capital Corp.	1,500	2.200%	2030
Novartis Capital Corp.	850	4.000%	2031
Novartis Capital Corp.	1,100	4.200%	2034
Novartis Capital Corp.	500	3.700%	2042
Novartis Capital Corp.	1,850	4.400%	2044
Novartis Capital Corp.	1,250	4.000%	2045
Novartis Capital Corp.	1,250	2.750%	2050
Novartis Capital Corp.	750	4.700%	2054

Novartis Capital Corp.

Principal amount	USD 1,750,000,000
ISIN	US66989HAJ77
Issuer	Novartis Capital Corp., United States
Guarantor	Novartis AG, Switzerland
Type	Senior unsecured
Coupon	3.000%

Coupon payment date	May 20 and November 20, commencing May 20, 2016
Documentation	SEC registered shelf registration
First settlement date	November 20, 2015
Issue price	99.010
Maturity date	November 20, 2025
Joint book-runners	Bank of America Merrill Lynch, Citi, JP Morgan, Credit Suisse, Goldman Sachs, UBS
Bloomberg	NOVNVX 3 11/20/2025

Novartis Capital Corp.

Principal amount	USD 1,250,000,000
ISIN	US66989HAQ11
Issuer	Novartis Capital Corp., United States
Guarantor	Novartis AG, Switzerland
Type	Senior unsecured
Coupon	2.000%
Coupon payment date	February 14 and August 14, commencing August 14, 2020
Documentation	SEC registered shelf registration
First settlement date	February 14, 2020
Issue price	99.909
Maturity date	February 14, 2027
Joint book-runners	Citi, HSBC, Morgan Stanley, Mitsubishi UFJ Financial Group, Barclays, Deutsche Bank, Mizuho
Bloomberg	NOVNVX 2.0 02/14/2027

Novartis Capital Corp.

Principal amount	USD 1,000,000,000
ISIN	US66989HAN89
Issuer	Novartis Capital Corp., United States
Guarantor	Novartis AG, Switzerland
Type	Senior unsecured
Coupon	3.100%
Coupon payment date	May 17 and November 17, commencing May 17, 2017
Documentation	SEC registered shelf registration
First settlement date	February 17, 2017
Issue price	99.109
Maturity date	May 17, 2027
Joint book-runners	Bank of America Merrill Lynch, Citi, JP Morgan, Credit Suisse, Goldman Sachs, UBS
Bloomberg	NOVNVX 3.1 05/17/2027

Novartis Capital Corp.

Principal amount	USD 1,000,000,000
ISIN	US66989HAT59
Issuer	Novartis Capital Corp., United States
Guarantor	Novartis AG, Switzerland
Type	Senior unsecured
Coupon	3.800%
Coupon payment date	March 18 and September 18, commencing March 18, 2025
Documentation	SEC registered shelf registration
First settlement date	September 18, 2024
Issue price	99.757
Maturity date	September 18, 2029
Joint book-runners	Goldman Sachs, JP Morgan, Citi, Mizuho, Barclays, HSBC, Société Générale
Bloomberg	NOVNVX 3.80 09/18/2029

Novartis Capital Corp.

Principal amount	USD 1,500,000,000
ISIN	US66989HAR93
Issuer	Novartis Capital Corp., United States
Guarantor	Novartis AG, Switzerland
Type	Senior unsecured
Coupon	2.200%
Coupon payment date	February 14 and August 14, commencing August 14, 2020
Documentation	SEC registered shelf registration
First settlement date	February 14, 2020
Issue price	99.869
Maturity date	August 14, 2030
Joint book-runners	Citi, HSBC, Morgan Stanley, Mitsubishi UFJ Financial Group, Barclays, Deutsche Bank, Mizuho
Bloomberg	NOVNVX 2.2 08/14/2030

Novartis Capital Corp.

Principal amount	USD 850,000,000
ISIN	US66989HAU23
Issuer	Novartis Capital Corp., United States
Guarantor	Novartis AG, Switzerland
Type	Senior unsecured
Coupon	4.000%

Coupon payment date	March 18 and September 18, commencing March 18, 2025
Documentation	SEC registered shelf registration
First settlement date	September 18, 2024
Issue price	99.565
Maturity date	September 18, 2031
Joint book-runners	Goldman Sachs, JP Morgan, Citi, Mizuho, Barclays, HSBC, Société Générale
Bloomberg	NOVNVX 4.00 09/18/2031

Novartis Capital Corp.

Principal amount	USD 1,100,000,000
ISIN	US66989HAV06
Issuer	Novartis Capital Corp., United States
Guarantor	Novartis AG, Switzerland
Type	Senior unsecured
Coupon	4.200%
Coupon payment date	March 18 and September 18, commencing March 18, 2025
Documentation	SEC registered shelf registration
First settlement date	September 18, 2024
Issue price	99.282
Maturity date	September 18, 2034
Joint book-runners	Goldman Sachs, JP Morgan, Citi, Mizuho, Barclays, HSBC, Société Générale
Bloomberg	NOVNVX 4.20 09/18/2034

Novartis Capital Corp.

Principal amount	USD 500,000,000
ISIN	US66989HAF55
Issuer	Novartis Capital Corp., United States
Guarantor	Novartis AG, Switzerland
Type	Senior unsecured
Coupon	3.700%
Coupon payment date	March 21 and September 21, commencing March 21, 2013
Documentation	SEC registered shelf registration
First settlement date	September 21, 2012
Issue price	98.325
Maturity date	September 21, 2042
Joint book-runners	JP Morgan, Morgan Stanley, BNP Paribas, Citi, Bank of America Merrill Lynch, UBS
Bloomberg	NOVNVX 3.7 09/21/42

Novartis Capital Corp.

Principal amount	USD 1,850,000,000
ISIN	US66989HAH12
Issuer	Novartis Capital Corp., United States
Guarantor	Novartis AG, Switzerland
Type	Senior unsecured
Coupon	4.400%
Coupon payment date	May 6 and November 6, commencing May 6, 2014
Documentation	SEC registered shelf registration
First settlement date	February 21, 2014
Issue price	99.196
Maturity date	May 6, 2044
Joint book-runners	Goldman Sachs, Bank of America Merrill Lynch, Barclays, Citi, Credit Suisse, Deutsche Bank, JP Morgan
Bloomberg	NOVNVX 4.4 05/06/44

Novartis Capital Corp.

Principal amount	USD 1,250,000,000
ISIN	US66989HAK41
Issuer	Novartis Capital Corp., United States
Guarantor	Novartis AG, Switzerland
Type	Senior unsecured
Coupon	4.000%
Coupon payment date	May 20 and November 20, commencing May 20, 2016
Documentation	SEC registered shelf registration
First settlement date	November 20, 2015
Issue price	98.029
Maturity date	November 20, 2045
Joint book-runners	Bank of America Merrill Lynch, Citi, JP Morgan, Credit Suisse, Goldman Sachs, UBS
Bloomberg	NOVNVX 4 11/20/2045

Novartis Capital Corp.

Principal amount	USD 1,250,000,000
ISIN	US66989HAS76
Issuer	Novartis Capital Corp., United States
Guarantor	Novartis AG, Switzerland
Type	Senior unsecured
Coupon	2.750%

Coupon payment date	February 14 and August 14, commencing August 14, 2020
Documentation	SEC registered shelf registration
First settlement date	February 14, 2020
Issue price	97.712
Maturity date	August 14, 2050
Joint book-runners	Citi, HSBC, Morgan Stanley, Mitsubishi UFJ Financial Group, Barclays, Deutsche Bank, Mizuho
Bloomberg	NOVNVX 2.75 08/14/2050

Novartis Capital Corp.

Principal amount	USD 750,000,000
ISIN	US66989HAW88
Issuer	Novartis Capital Corp., United States
Guarantor	Novartis AG, Switzerland
Type	Senior unsecured
Coupon	4.700%
Coupon payment date	March 18 and September 18, commencing March 18, 2025
Documentation	SEC registered shelf registration
First settlement date	September 18, 2024
Issue price	99.936
Maturity date	September 18, 2054
Joint book-runners	Goldman Sachs, JP Morgan, Citi, Mizuho, Barclays, HSBC, Société Générale
Bloomberg	NOVNVX 4.70 09/18/2054

CHF fixed-income securities

Issuer	Amount (in millions)	Coupon	Maturity
Novartis AG 650		1.600%	2027
Novartis AG 550		0.625%	2029
Novartis AG 435		1.650%	2031
Novartis AG 645		1.750%	2034
Novartis AG 325		1.050%	2035
Novartis AG 280		1.850%	2040
Novartis AG 190		1.850%	2049

Novartis AG

Principal amount	CHF 650,000,000
ISIN	CH1353257806

Issuer	Novartis AG, Switzerland
Type	Senior unsecured
Coupon	1.600%
Coupon payment date	June 18
Documentation	Swiss stand-alone documentation
First settlement date	June 18, 2024
Issue price	100.138
Maturity date	June 18, 2027
Joint book-runners	BNP Paribas, Deutsche Bank, UBS
Bloomberg	NOVNVX 1.6 6/18/27
Listing	SIX Swiss Exchange

Novartis AG

Principal amount	CHF 550,000,000
ISIN	CH0270190991
Issuer	Novartis AG, Switzerland
Type	Senior unsecured
Coupon	0.625%
Coupon payment date	November 13
Documentation	Swiss stand-alone documentation
First settlement date	February 13, 2015
Issue price	100.502
Maturity date	November 13, 2029
Joint book-runners	Credit Suisse, UBS
Bloomberg	NOVNVX 0.625 11/13/29
Listing	SIX Swiss Exchange

Novartis AG

Principal amount	CHF 435,000,000
ISIN	CH1353257814
Issuer	Novartis AG, Switzerland
Type	Senior unsecured
Coupon	1.650%
Coupon payment date	June 18
Documentation	Swiss stand-alone documentation
First settlement date	June 18, 2024
Issue price	100.148
Maturity date	June 18, 2031
Joint book-runners	BNP Paribas, Deutsche Bank, UBS

Bloomberg	NOVNVX 1.65 6/18/31
Listing	SIX Swiss Exchange

Novartis AG

Principal amount	CHF 645,000,000
ISIN	CH1353257822
Issuer	Novartis AG, Switzerland
Type	Senior unsecured
Coupon	1.750%
Coupon payment date	June 16
Documentation	Swiss stand-alone documentation
First settlement date	June 18, 2024
Issue price	100.229
Maturity date	June 16, 2034
Joint book-runners	BNP Paribas, Deutsche Bank, UBS
Bloomberg	NOVNVX 1.75 6/16/34
Listing	SIX Swiss Exchange

Novartis AG

Principal amount	CHF 325,000,000
ISIN	CH0270191007
Issuer	Novartis AG, Switzerland
Type	Senior unsecured
Coupon	1.050%
Coupon payment date	May 11
Documentation	Swiss stand-alone documentation
First settlement date	February 13, 2015
Issue price	100.479
Maturity date	May 11, 2035
Joint book-runners	Credit Suisse, UBS
Bloomberg	NOVNVX 1.05 05/11/35
Listing	SIX Swiss Exchange

Novartis AG

Principal amount	CHF 280,000,000
ISIN	CH1353257830
Issuer	Novartis AG, Switzerland
Type	Senior unsecured
Coupon	1.850%

Coupon payment date	June 18
Documentation	Swiss stand-alone documentation
First settlement date	June 18, 2024
Issue price	100.268
Maturity date	June 18, 2040
Joint book-runners	BNP Paribas, Deutsche Bank, UBS
Bloomberg	NOVNVX 1.85 6/18/40
Listing	SIX Swiss Exchange

Novartis AG

Principal amount	CHF 190,000,000
ISIN	CH1353257848
Issuer	Novartis AG, Switzerland
Type	Senior unsecured
Coupon	1.850%
Coupon payment date	June 18
Documentation	Swiss stand-alone documentation
First settlement date	June 18, 2024
Issue price	100.149
Maturity date	June 18, 2049
Joint book-runners	BNP Paribas, Deutsche Bank, UBS
Bloomberg	NOVNVX 1.85 6/18/49
Listing	SIX Swiss Exchange

EUR fixed-income securities

Issuer	Amount (in millions)	Coupon	Maturity
Novartis Finance S.A. 600		1.625%	2026
Novartis Finance S.A. 600		1.125%	2027
Novartis Finance S.A. 500		0.625%	2028
Novartis Finance S.A. 1,850		0.000%	2028
Novartis Finance S.A. 750		1.375%	2030
Novartis Finance S.A. 750		1.700%	2038

Novartis Finance S.A.

Principal amount	EUR 600,000,000
ISIN	XS1134729794
Issuer	Novartis Finance S.A., Luxembourg

Guarantor	Novartis AG, Switzerland
Type	Senior unsecured
Coupon	1.625%
Coupon payment date	November 09
Documentation	Standalone
First settlement date	November 07, 2014
Issue price	99.697
Maturity date	November 09, 2026
Joint book-runners	Barclays, BNP Paribas, Deutsche Bank
Bloomberg	NOVNVX 1.625 11/09/26
Listing	SIX Swiss Exchange

Novartis Finance S.A.

Principal amount	EUR 600,000,000
ISIN	XS1585010074
Issuer	Novartis Finance S.A., Luxembourg
Guarantor	Novartis AG, Switzerland
Type	Senior unsecured
Coupon	1.125%
Coupon payment date	September 30, commencing September 30, 2017
Documentation	Standalone
First settlement date	March 31, 2017
Issue price	99.874
Maturity date	September 30, 2027
Joint book-runners	Barclays, BNP Paribas, Deutsche Bank
Bloomberg	NOVNVX 1.125 09/30/27
Listing	SIX Swiss Exchange

Novartis Finance S.A.

Principal amount	EUR 500,000,000
ISIN	XS1492825481
Issuer	Novartis Finance S.A., Luxembourg
Guarantor	Novartis AG, Switzerland
Type	Senior unsecured
Coupon	0.625%
Coupon payment date	September 20
Documentation	Standalone
First settlement date	September 20, 2016
Issue price	98.48
Maturity date	September 20, 2028

Joint book-runners	Barclays, BNP Paribas, Deutsche Bank
Bloomberg	NOVNVX 0.625 09/20/28
Listing	SIX Swiss Exchange

Novartis Finance S.A.

Principal amount	EUR 1,850,000,000
ISIN	XS2235996217
Issuer	Novartis Finance S.A., Luxembourg
Guarantor	Novartis AG, Switzerland
Type	Senior unsecured
Coupon	0.000%
Coupon step-up	Coupon to increase by 25 basis points from 2026 onwards if Novartis does not achieve the 2025 Patient Access Targets
Coupon payment date	September 23
Documentation	Standalone
First settlement date	September 23, 2020
Issue price	99.354
Maturity date	September 23, 2028
Joint book-runners	Barclays, HSBC, J.P. Morgan, Societe Generale
Bloomberg	NOVNVX 0 09/23/28
Listing	SIX Swiss Exchange

Novartis Finance S.A.

Principal amount	EUR 750,000,000
ISIN	XS1769041192
Issuer	Novartis Finance S.A., Luxembourg
Guarantor	Novartis AG, Switzerland
Type	Senior unsecured
Coupon	1.375%
Coupon payment date	August 14
Documentation	Standalone
First settlement date	February 14, 2018
Issue price	99.957
Maturity date	August 14, 2030
Joint book-runners	Barclays, BNP Paribas, Deutsche Bank
Bloomberg	NOVNVX 1.375 08/14/30
Listing	SIX Swiss Exchange

Novartis Finance S.A.

Principal amount	EUR 750,000,000
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ISIN	XS1769041606
Issuer	Novartis Finance S.A., Luxembourg
Guarantor	Novartis AG, Switzerland
Type	Senior unsecured
Coupon	1.700%
Coupon payment date	August 14
Documentation	Standalone
First settlement date	February 14, 2018
Issue price	99.217
Maturity date	August 14, 2038
Joint book-runners	Barclays, BNP Paribas, Deutsche Bank
Bloomberg	NOVNVX 1.7 08/14/38
Listing	SIX Swiss Exchange

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List of links present in page

1. <https://prod1.novartis.com/investors/financial-data/fixed-income-securities>
2. <https://prod1.novartis.com/investors/financial-data/fixed-income-securities/disclaimer>
3. [#tabusd-securities-29481](#)
4. [#tabchf-securities-29491](#)
5. [#tabeur-securities-29496](#)