(Rule 13d-102)

Information to be Included in Statements Filed Pursuant to Rule 13d-1(b), (c) and (d) and Amendments Thereto Filed Pursuant to Rule 13d-2.

SECURITIES AND EXCHANGE COMMISSION WASHINGTON, D.C. 20549

Under the Securities Exchange Act of 1934 (Amendment No. 1)\*

Isis Pharmaceuticals Inc	
(Name of Issuer)	
Common Stock	
(Title of Class of Securities)	
464330109	
(CUSIP Number)	
December 31, 2013	
(Date of Event Which Requires Filing of this Statement)	

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- [X] Rule 13d-1(b)
- [\_] Rule 13d-1(c)
- [\_] Rule 13d-1(d)

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

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<sup>\*</sup> The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

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\_\_\_\_\_\_

\_\_\_\_\_\_

Item 1(a) Name of Issuer:

Isis Pharmaceuticals Inc

Item 1(b) Address of Issuer's Principal Executive Offices:

2855 GAZELLE COURT, CARLSBAD, CA 92010

### Item 2(a) Name of Person Filing:

Artisan Partners Limited Partnership ("APLP")
Artisan Investments GP LLC ("Artisan Investments")
Artisan Partners Holdings LP ("Artisan Holdings")
Artisan Partners Asset Management Inc. ("APAM")
Artisan Investment Corporation ("AIC")
ZFIC, Inc. ("ZFIC")
Andrew A. Ziegler
Carlene M. Ziegler
Artisan Partners Funds, Inc. ("Artisan Funds")

# Item 2(b) Address of Principal Business Office:

APLP, Artisan Investments, Artisan Holdings, APAM, AIC, ZFIC, Mr. Ziegler,

Ms. Ziegler and Artisan Funds are all located at:

875 East Wisconsin Avenue, Suite 800 Milwaukee, WI 53202

# Item 2(c) Citizenship:

APLP is a Delaware limited partnership
Artisan Investments is a Delaware limited liability company
Artisan Holdings is a Delaware limited partnership
APAM is a Delaware corporation
AIC is a Wisconsin corporation
ZFIC is a Wisconsin corporation
Mr. Ziegler and Ms. Ziegler are U.S. citizens
Artisan Funds is a Wisconsin corporation

# Item 2(d) Title of Class of Securities:

Common Stock

# Item 2(e) CUSIP Number:

464330109

### Item 3 Type of Person:

- (d) Artisan Funds is an Investment Company under section 8 of the Investment Company  $\operatorname{Act}$ .
- (e) APLP is an investment adviser registered under section 203 of the Investment Advisers Act of 1940.
- (g) Artisan Holdings is the sole limited partner of APLP and the sole member of Artisan Investments; Artisan Investments is the general partner of APLP; APAM is the general partner of Artisan Holdings; AIC is a control person of APAM; ZFIC is the sole stockholder of AIC; Mr. Ziegler and Ms. Ziegler are the principal stockholders of ZFIC.

Item 4 Ownership (at December 31, 2013):

(a) Amount owned "beneficially" within the meaning of rule 13d-3: 10,776,147

(b) Percent of class:

9.3% (based on 116,074,372 shares outstanding as of November 1, 2013)

- (c) Number of shares as to which such person has:
  - (i) sole power to vote or to direct the vote:

None

(ii) shared power to vote or to direct the vote: 9,930,015

(iii) sole power to dispose or to direct the disposition of:

(iv) shared power to dispose or to direct the disposition
 of:

10,776,147

Item 5 Ownership of Five Percent or Less of a Class:

Not Applicable

Item 6 Ownership of More than Five Percent on Behalf of Another Person:

The shares reported herein have been acquired on behalf of discretionary clients of APLP; as reported herein, APLP holds 10,776,147 shares, including 6,185,824 shares on behalf of Artisan Funds. Persons other than APLP are entitled to receive all dividends from, and proceeds from the sale of, those shares.

Item 7 Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company or Control Person:

Not Applicable

Item 8 Identification and Classification of Members of the Group:

Not Applicable

Not Applicable

Item 10 Certification:

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

# Signature

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct

Date: January 30, 2014

ARTISAN PARTNERS ASSET MANAGEMENT INC, for itself and as the general partner of ARTISAN PARTNERS HOLDINGS LP

By: Gregory K. Ramirez\*

ARTISAN INVESTMENTS GP LLC, for itself and as the general partner of ARTISAN PARTNERS LIMITED PARTNERSHIP

By: Gregory K. Ramirez\*

ARTISAN INVESTMENT CORPORATION

By: Gregory K. Ramirez\*

ZFIC, INC.

By: Gregory K. Ramirez\*

ANDREW A. ZIEGLER

Andrew A. Ziegler\*

-----

CARLENE M. ZIEGLER

Carlene M. Ziegler\*

-----

ARTISAN PARTNERS FUNDS, INC.

By: Gregory K. Ramirez\*

-----

\*By: /s/ Gregory K. Ramirez

Gregory K. Ramirez

Assistant Treasurer of Artisan Partners Asset Management Inc.

Vice President of Artisan Investments GP LLC

Attorney-in-Fact for Artisan

Investment Corporation

Attorney-in-Fact for ZFIC, Inc. Attorney-in-Fact for Andrew A.

Ziegler Attorney-in-Fact for Carlene M.

Ziegler
Chief Financial Officer, Vice
President and Treasurer of

President and Treasurer of Artisan Partners Funds, Inc.

# Exhibit Index

	Exhibit 1	Joint Filing Agreement dated January 30, 2014 by and among Artisan Partners Limited Partnership, Artisan Investments GP LLC, Artisan Partners Holdings LP, Artisan Partners Asset Management Inc., Artisan Investment Corporation, ZFIC, Inc., Andrew A. Ziegler, Carlene M. Ziegler and Artisan Partners Funds, Inc.
	Exhibit 2	Power of Attorney of Artisan Investment Corporation dated February 28, 2013
	Exhibit 3	Power of Attorney of ZFIC, Inc., dated August 31, 2012
	Exhibit 4	Power of Attorney of Andrew A. Ziegler dated August 31, 2012
	Exhibit 5	Power of Attorney of Carlene M. Ziegler dated August 31, 2012
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# JOINT FILING AGREEMENT

The undersigned hereby agree to the joint filing of the Schedule 13G to which this Agreement is attached.

Dated: January 30, 2014

for itself and as the general partner of ARTISAN PARTNERS HOLDINGS LP By: Gregory K. Ramirez\* ----ARTISAN INVESTMENTS GP LLC, for itself and as the general partner of ARTISAN PARTNERS LIMITED PARTNERSHIP By: Gregory K. Ramirez\* -----ARTISAN INVESTMENT CORPORATION By: Gregory K. Ramirez\* -----ZFIC, INC. By: Gregory K. Ramirez\* ANDREW A. ZIEGLER Andrew A. Ziegler\* -----CARLENE M. ZIEGLER Carlene M. Ziegler\* -----ARTISAN PARTNERS FUNDS, INC. By: Gregory K. Ramirez\* \*By: /s/ Gregory K. Ramirez -----Gregory K. Ramirez Assistant Treasurer of Artisan Partners Asset Management Inc. Vice President of Artisan Investments GP LLC Attorney-in-Fact for Artisan Investment Corporation Attorney-in-Fact for ZFIC, Inc.

Attorney-in-Fact for Andrew A.

Attorney-in-Fact for Carlene M.

Chief Financial Officer, Vice President and Treasurer of Artisan Partners Funds, Inc.

Ziegler

Ziegler

ARTISAN PARTNERS ASSET MANAGEMENT INC,

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The undersigned, Artisan Investment Corporation, hereby appoints Charles J. Daley, Jr., Sarah A. Johnson, Gregory K. Ramirez and Rebecca Himmelspach, and each of them individually, its true and lawful attorney-in-fact and agent, with full power to execute and file with the United States Securities and Exchange Commission and any stock exchange or similar authority, for and on its behalf in any and all capacities, any and all reports required to be filed pursuant to Section 13 of the Securities Exchange Act of 1934 and the rules thereunder, including but not limited to reports on Schedule 13D or 13G, any and all amendments to such reports, with all exhibits, and any other forms or documents as may be necessary in connection with the filing of such reports with the United States Securities and Exchange Commission and any stock exchange or similar authority, granting unto said attorney full power and authority to do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete, as fully as the undersigned might or could do in person.

This Power of Attorney shall remain in full force and effect until revoked by the undersigned in a signed writing delivered to the foregoing attorneys-in-fact and agents.

IN WITNESS WHEREOF the undersigned has caused this Power of Attorney to be executed this 28/th/ day of February, 2013.

Artisan Investment Corporation

By: /s/ Andrew A. Ziegler
Andrew A. Ziegler
President

STATE OF WISCONSIN )

SS
COUNTY OF MILWAUKEE)

I, Lisa Moran, a Notary Public in and for the County of Milwaukee, State of Wisconsin, DO HEREBY CERTIFY that Andrew A. Ziegler, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed and delivered the said instrument as his own free and voluntary act, for the uses and purposes therein set forth.

Given under my hand and notarial seal, this 28/th/ day of February, 2013.

/s/ Lisa Moran
----Notary Public

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The undersigned, ZFIC, Inc., hereby appoints Charles J. Daley, Jr., Sarah A. Johnson, Gregory K. Ramirez and Rebecca Himmelspach, and each of them individually, its true and lawful attorney-in-fact and agent, with full power to execute and file with the United States Securities and Exchange Commission and any stock exchange or similar authority, for and on its behalf in any and all capacities, any and all reports required to be filed pursuant to Section 13 of the Securities Exchange Act of 1934 and the rules thereunder, including but not limited to reports on Schedule 13D or 13G, any and all amendments to such reports, with all exhibits, and any other forms or documents as may be necessary in connection with the filing of such reports with the United States Securities and Exchange Commission and any stock exchange or similar authority, granting unto said attorney full power and authority to do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete, as fully as the undersigned might or could do in person.

This Power of Attorney shall remain in full force and effect until revoked by the undersigned in a signed writing delivered to the foregoing attorneys-in-fact and agents.

IN WITNESS WHEREOF the undersigned has caused this Power of Attorney to be executed this 31st day of August, 2012.

ZFIC, INC.

By: /s/ Andrew A. Ziegler
Andrew A. Ziegler
Vice President

STATE OF WISCONSIN )

SS
COUNTY OF MILWAUKEE)

I, Lisa Moran, a Notary Public in and for the County of Milwaukee, State of Wisconsin, DO HEREBY CERTIFY that Andrew A. Ziegler, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed and delivered the said instrument as his own free and voluntary act, for the uses and purposes therein set forth.

Given under my hand and notarial seal, this 31st day of August, 2012.

/s/ Lisa Moran ------Notary Public

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The undersigned, Andrew A. Ziegler, hereby appoints Charles J. Daley, Jr., Sarah A. Johnson, Gregory K. Ramirez and Rebecca Himmelspach, and each of them individually, his true and lawful attorney-in-fact and agent, with full power to execute and file with the United States Securities and Exchange Commission and any stock exchange or similar authority, for and on his behalf in any and all capacities, any and all reports required to be filed pursuant to Section 13 of the Securities Exchange Act of 1934 and the rules thereunder, including but not limited to reports on Schedule 13D or 13G, any and all amendments to such reports, with all exhibits, and any other forms or documents as may be necessary in connection with the filing of such reports with the United States Securities and Exchange Commission and any stock exchange or similar authority, granting unto said attorney full power and authority to do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete, as fully as the undersigned might or could do in person.

This Power of Attorney shall remain in full force and effect until revoked by the undersigned in a signed writing delivered to the foregoing attorneys-in-fact and agents.

IN WITNESS WHEREOF the undersigned has caused this Power of Attorney to be executed this 31st day of August, 2012.

STATE OF WISCONSIN )
) SS.
COUNTY OF MILWAUKEE)

I, Lisa Moran, a Notary Public in and for the County of Milwaukee, State of Wisconsin, DO HEREBY CERTIFY that Andrew A. Ziegler, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that he signed and delivered the said instrument as his own free and voluntary act, for the uses and purposes therein set forth.

Given under my hand and notarial seal, this 31st day of August, 2012.

/s/ Lisa Moran -----Notary Public

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The undersigned, Carlene M. Ziegler, hereby appoints Charles J. Daley, Jr., Sarah A. Johnson, Gregory K. Ramirez and Rebecca Himmelspach, and each of them individually, her true and lawful attorney-in-fact and agent, with full power to execute and file with the United States Securities and Exchange Commission and any stock exchange or similar authority, for and on her behalf in any and all capacities, any and all reports required to be filed pursuant to Section 13 of the Securities Exchange Act of 1934 and the rules thereunder, including but not limited to reports on Schedule 13D or 13G, any and all amendments to such reports, with all exhibits, and any other forms or documents as may be necessary in connection with the filing of such reports with the United States Securities and Exchange Commission and any stock exchange or similar authority, granting unto said attorney full power and authority to do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete, as fully as the undersigned might or could do in person.

This Power of Attorney shall remain in full force and effect until revoked by the undersigned in a signed writing delivered to the foregoing attorneys-in-fact and agents.

IN WITNESS WHEREOF the undersigned has caused this Power of Attorney to be executed this 31st day of August, 2012.

STATE OF WISCONSIN )
) SS.
COUNTY OF MILWAUKEE)

I, Lisa Moran, a Notary Public in and for the County of Milwaukee, State of Wisconsin, DO HEREBY CERTIFY that Carlene M. Ziegler, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that she signed and delivered the said instrument as her own free and voluntary act, for the uses and purposes therein set forth.

Given under my hand and notarial seal, this 31st day of August, 2012.

/s/ Lisa Moran -----Notary Public

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