

MEDICURE INC  
Form 6-K  
January 31, 2011

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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

**FORM 6-K**

**REPORT OF FOREIGN PRIVATE ISSUER PURSUANT TO RULE 13a-16 OR 15d-16  
UNDER THE SECURITIES EXCHANGE ACT OF 1934**

For the month of **January 2011**

Commission File Number: **001-31995**

**MEDICURE INC.**

(Translation of registrant's name into English)

**4-1200 Waverley Street**

**Winnipeg, MB Canada R3T 0P4**

(Address of principal executive offices)

Indicate by check mark whether the registrant files or will file annual reports under cover Form 20-F or Form 40-F.

Form 20-F [        ] Form 40-F

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1): [        ]

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7): [        ]

Indicate by check mark whether by furnishing the information contained in this Form, the registrant is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934.

Yes [        ] No [  ]

If "Yes" is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b): 82-

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**SUBMITTED HEREWITH**

Exhibits

99.1 Interim Consolidated Financial Statements for the Period Ended November 30, 2010

99.2 Management's Discussion and Analysis for the Period Ended November 30, 2010

99.3 Certificate of Interim Filings Venture Issuer Basic Certificate - CEO

99.4 Certificate of Interim Filings Venture Issuer Basic Certificate - CFO

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**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

**Medicure Inc.**

(Registrant)

Date: January 28, 2011

By: */s/ Dr. Albert D. Friesen*

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Dr. Albert D. Friesen

Title: President & CEO

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