

SANOFI-AVENTIS
Form 6-K
March 31, 2010

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 March 2010

Commission File Number: 001-31368

SANOFI-AVENTIS

(Translation of registrant's name into English)

174, avenue de France, 75013 Paris, FRANCE

(Address of principal executive offices)

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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 the registrant by furnishing the information contained in this Form 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-_____

In March 2010, sanofi-aventis issued the press releases attached hereto as Exhibits 99.1 to 99.4 which are incorporated herein by reference.

Exhibit List

| Exhibit No. | Description |
|--------------------|--|
| Exhibit 99.1 | Press release dated March 24, 2010: DuoPlavin [®] /DuoCover [®] Dual antiplatelet combination tablet newly approved in the European Union |
| Exhibit 99.2 | Press release dated March 26, 2010: Sanofi-aventis confirms Quality and Supply of Plavix [®] , Iscover [®] and Clopidogrel Winthrop [®] |
| Exhibit 99.3 | Press release dated March 30, 2010: Multaq [®] receives positive recommendation by NICE in new appraisal consultation document |
| Exhibit 99.4 | Press release dated March 31, 2010: Sanofi-aventis & AgaMatrix enter into worldwide agreement on blood glucose monitoring (BGM) solutions |

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.

Dated: March 31, 2010

SANOFI-AVENTIS

By /s/ John Felitti
Name: John Felitti
Title: Associate Vice President,
Corporate Law, Financial & Securities Law

Exhibit Index

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