

June 8, 2010

**VIA FACSIMILE AND EDGAR**

Securities and Exchange Commission  
Division of Corporation Finance  
100 F Street, NE, Mail Stop 6010  
Washington, DC 20549  
Attn: Scot Foley (Mail Stop 4720)

**Re: BioSante Pharmaceuticals, Inc.  
Registration Statement on Form S-3  
File No. 333-166859  
Filed May 21, 2010**

Ladies and Gentlemen:

We hereby request that the effectiveness of the above-referenced registration statement be accelerated to 3:00 p.m., Eastern Time, on June 10, 2010, or as soon thereafter as is practicable.

In connection with your letter to me dated May 19, 2010, BioSante Pharmaceuticals, Inc. acknowledges that:

1. BioSante is responsible for the adequacy and accuracy of the disclosure in the filing;
2. staff comments or changes to disclosure in response to staff comments in the filing reviewed by the staff do not foreclose the Securities and Exchange Commission from taking any action with respect to the filing; and
3. BioSante may not assert staff comments as a defense in any proceeding initiated by the Securities and Exchange Commission or any person under the federal securities laws of the United States.

Very truly yours,

/s/ Phillip B. Donenberg

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Phillip B. Donenberg  
*Chief Financial Officer, Treasurer and Secretary*

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