UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

Notice of Effectiveness

| Effectiveness Date: | June 10, 2010 3:00 P.M. |
|---------------------|------------------------------|
| Form: | S-3 |
| CIK: | 0001023024 |
| Company Name: | BIOSANTE PHARMACEUTICALS INC |
| File Number: | <u>333-166859</u> |
| | |