

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

Mail Stop 4546

August 21, 2017

David P. Schenkein, M.D. President and Chief Executive Officer Agios Pharmaceuticals, Inc. 88 Sidney Street Cambridge, MA 02139

Re: Agios Pharmaceuticals, Inc.

Form 10-K

Filed February 16, 2017 File No. 001-36014

Dear Dr. Schenkein:

We have completed our review of your filing. We remind you that the company and its management are responsible for the accuracy and adequacy of their disclosures, notwithstanding any review, comments, action or absence of action by the staff.

Sincerely,

/s/ Mary Beth Breslin for

Suzanne Hayes Assistant Director Office of Healthcare & Insurance