



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

DIVISION OF
CORPORATION FINANCE

Mail Stop 4546

October 12, 2016

Travis C. Mickle, Ph.D.
President and Chief Executive Officer
KemPharm Inc.
2656 Crosspark Road, Suite 100
Coralville, IA 52241

**Re: KemPharm Inc.
Registration Statement on Form S-3
Filed October 2, 2016
File No. 333-213926**

Dear Dr. Mickle:

This is to advise you that we have not reviewed and will not review your registration statement.

Please refer to Rules 460 and 461 regarding requests for acceleration. 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.

Please contact Jeffrey Gabor at (202) 551-2544 with any questions.

Sincerely,

/s/ Mary Beth Breslin for

Suzanne Hayes
Assistant Director
Office of Healthcare and Insurance

cc: Matthew P. Dubofsky, Esq.
Cooley LLP