



DIVISION OF  
CORPORATION FINANCE

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

February 11, 2021

Michael Landsittel  
Chief Financial Officer  
Blueprint Medicines Corp  
45 Sidney Street  
Cambridge, Massachusetts 02139

**Re: Form 10-K for the Fiscal Year Ended December 31, 2019**  
**Filed February 13, 2020**  
**File No. 001-37359**

Dear Mr. Landsittel:

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,

Division of Corporation Finance  
Office of Life Sciences