



DIVISION OF
CORPORATION FINANCE

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

November 9, 2021

Thomas P. Kelly
Chief Financial Officer
Deciphera Pharmaceuticals, Inc.
200 Smith Street
Waltham, MA 02451

Re: Deciphera Pharmaceuticals, Inc.
Form 10-K for the fiscal year ended December 31, 2020
Filed February 9, 2021
File No. 1-38219

Dear Mr. Kelly:

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