

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
September 16, 2021**

**ORDER GRANTING CONFIDENTIAL TREATMENT  
UNDER THE SECURITIES EXCHANGE ACT OF 1934**

**Acer Therapeutics Inc.**

**File No. 1-33004 - CF#36999**

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Acer Therapeutics Inc. submitted an application under Rule 24b-2 requesting an extension of a previous grant of confidential treatment for information it excluded from an exhibit to a Form 10-Q filed on November 9, 2018.

Based on representations by Acer Therapeutics Inc. that this information qualifies as confidential commercial or financial information under the Freedom of Information Act, 5 U.S.C. 552(b)(4), the Division of Corporation Finance has determined not to publicly disclose it. Accordingly, excluded information from the following exhibit will not be released to the public for the time periods specified:

Exhibit 10.1                      through September 19, 2024

For the Commission, by the Division of Corporation Finance, pursuant to delegated authority:

Robert Errett  
Chief, Disclosure Management Office