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VIA EDGAR

September 25, 2020

U.S. Securities and Exchange Commission  
Office of Life Sciences  
Division of Corporation Finance  
100 F Street, N.E.  
Mail Stop 4546  
Washington, D.C. 20549

Attn: Mr. Alan Campbell  
Ms. Christine Westbrook  
Mr. David Burton  
Ms. Mary Mast

Re: **Orphazyme A/S**  
**Registration Statement on Form F-1, as amended**  
**File No. 333-248607**

**Acceleration Request**

**Requested Date: Monday, September 28, 2020**  
**Requested Time: 4:00 P.M. Eastern Daylight Time**

Ladies and Gentlemen:

In accordance with Rule 461 under the Securities Act of 1933, as amended, the undersigned registrant (the "**Registrant**") hereby requests that the Securities and Exchange Commission (the "**Commission**") take appropriate action to cause the above-referenced Registration Statement on Form F-1 (File No. 333-248607) (the "**Registration Statement**") to become effective on September 28, 2020, at 4:00 p.m., Eastern Daylight Time, or as soon thereafter as practicable, or at such later time as the Registrant or its counsel may orally request via telephone call to the staff (the "**Staff**"). The Registrant hereby withdraws its original request for acceleration, dated September 22, 2020, pursuant to which acceleration had previously been requested to 4:00 p.m., Eastern Daylight Time, on September 24, 2020, or as soon as practicable thereafter.

Once the Registration Statement has been declared effective, please orally confirm that event with Josh Kaufman of Cooley LLP (212) 479-6495, counsel to the Registrant, Alison Haggerty at (212) 479-6596 or Divakar Gupta at (212) 479-6474.

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Very truly yours,

Orphazyme A/S

By: /s/ Kim Stratton

Kim Stratton  
Chief Executive Officer

cc: Anders Vadsholt, Orphazyme A/S  
Alison Haggerty, Cooley LLP  
Divakar Gupta, Cooley LLP  
Mark Ballantyne, Cooley LLP  
Iilir Mujalovic, Shearman & Sterling LLP

*[Signature Page to Acceleration Request]*