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VIA EDGAR

September 22, 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: Thursday, September 24, 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 24, 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**").

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.

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
Ilir Mujalovic, Shearman & Sterling LLP

[Signature Page to Acceleration Request]