

March 10, 2022

Harout Semerjian  
Chief Executive Officer  
GlycoMimetics, Inc.  
9708 Medical Center Drive  
Rockville, Maryland 20850

Re: GlycoMimetics, Inc.  
Registration

Statement on Form S-3

Filed March 4, 2022  
File No. 333-263297

Dear Mr. Semerjian:

This is to advise you that we have not reviewed and will not review your registration statement.

Please refer to Rules 460 and 461 regarding requests for acceleration. 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.

Please contact Alan

Campbell at 202-551-4224 with any questions.

Sincerely,

Division of Corporation Finance  
Office of Life Sciences

cc:

Brian Leaf