

MOLECULIN BIOTECH, INC.

CHARTER OF THE NOMINATING AND CORPORATE GOVERNANCE COMMITTEE

MEMBERSHIP

The Nominating and Corporate Governance Committee (the “**Committee**”) of the board of directors (the “**Board**”) of Moleculin Biotech, Inc. (the “**Company**”) shall consist of three or more directors. Each member of the Committee shall be independent in accordance with the rules of the Nasdaq Stock Market.

The members of the Committee shall be appointed by the Board. The members of the Committee shall serve for such term or terms as the Board may determine or until earlier resignation or death. The Board may remove any member from the Committee at any time with or without cause.

PURPOSE

The purpose of the Committee is to carry out the responsibilities delegated by the Board relating to the Company's director nominations process and procedures, developing and maintaining the Company's corporate governance policies and any related matters required by the federal securities laws.

DUTIES AND RESPONSIBILITIES

The Committee shall have the following authority and responsibilities:

1. To determine the qualifications, qualities, skills, and other expertise required to be a director and to develop, and recommend to the Board for its approval, criteria to be considered in selecting nominees for director (the “**Director Criteria**”).
2. To identify and screen individuals qualified to become members of the Board, consistent with the Director Criteria. The Committee shall consider any director candidates recommended by the Company's stockholders pursuant to the procedures set forth in the Company's proxy statement. The Committee shall also consider any nominations of director candidates validly made by stockholders in accordance with applicable laws, rules and regulations and the provisions of the Company's charter documents.
3. To make recommendations to the Board regarding the selection and approval of the nominees for director to be submitted to a stockholder vote at the annual meeting of stockholder.
4. To annually review and assess the adequacy of the Company's corporate governance policies and procedures and the Company's Code of Ethics, and it

shall recommend any proposed changes to the Board for approval. The Committee also shall consider corporate governance issues that arise from time to time and develop appropriate recommendations and policies for the Board regarding such matters.

5. To review the Board's committee structure and composition and to make recommendations to the Board regarding the appointment of directors to serve as members of each committee and committee chairperson annually.
6. If a vacancy on the Board and/or any Board committee occurs, to identify and make recommendations to the Board regarding the selection and approval of candidates to fill such vacancy either by election by stockholders or appointment by the Board.

OUTSIDE ADVISORS

The Committee shall have the authority, in its sole discretion, to select, retain and obtain the advice of a director search firm as necessary to assist with the execution of its duties and responsibilities as set forth in this Charter. The Committee shall set the compensation and oversee the work of the director search firm. The Committee shall have the authority, in its sole discretion, to retain and obtain the advice and assistance of outside legal counsel and such other advisors as it deems necessary to fulfill its duties and responsibilities under this Charter. The Committee shall set the compensation and oversee the work of its outside legal counsel and other advisors. The Committee shall receive appropriate funding from the Company, as determined by the Committee in its capacity as a committee of the Board, for the payment of compensation to its compensation consultants, outside legal counsel and any other advisors.

STRUCTURE AND OPERATIONS

The Board shall designate a member of the Committee as the chairperson. The Committee shall meet as often as it deems necessary to perform its responsibilities. The Committee shall report regularly to the Board regarding its actions and make recommendations to the Board as appropriate. The Committee is governed by the same rules regarding meetings (including meetings in person or by telephone or other similar communications equipment), action without meetings, notice, waiver of notice, and quorum and voting requirements as are applicable to the Board.

The Committee shall review this Charter at least annually and recommend any proposed changes to the Board for approval.

DELEGATION OF AUTHORITY

The Committee shall have the authority to delegate any of its responsibilities, along with the authority to take action in relation to such responsibilities, to one or more subcommittees as the Committee may deem appropriate in its sole discretion. The Chair may represent the entire

Committee, as a subcommittee, with respect to functions of the Committee undertaken between meetings. Any actions of a subcommittee shall be presented to the full Committee at its next scheduled meeting.

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