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(71) Applicants: **THE JOHNS HOPKINS UNIVERSITY** [US/US]; 3400 N. Charles Street, Baltimore, Maryland 21218 (US). **GRADIENT BIOMODELING, LLC** [US/US]; 8040 Juniper Drive, Park City, Utah 84098 (US).

(72) Inventors: **SULLIVAN, David**; 117 Hawthorne Rd., Baltimore, Maryland 21210 (US). **KALUDOV, Nick**; 8040 Juniper Drive, Park City, Utah 84098 (US). **LIU, Yi**; 100 N. Charles Street, 5th Floor, Baltimore, Maryland 21201

(US). **MARTINOV, Martin**; 8040 Juniper Drive, Park City, Utah 84098 (US).

(74) Agent: **CONTRERA, Joseph**; 100 N. Charles Street, 5th Floor, Baltimore, Maryland 21201 (US).

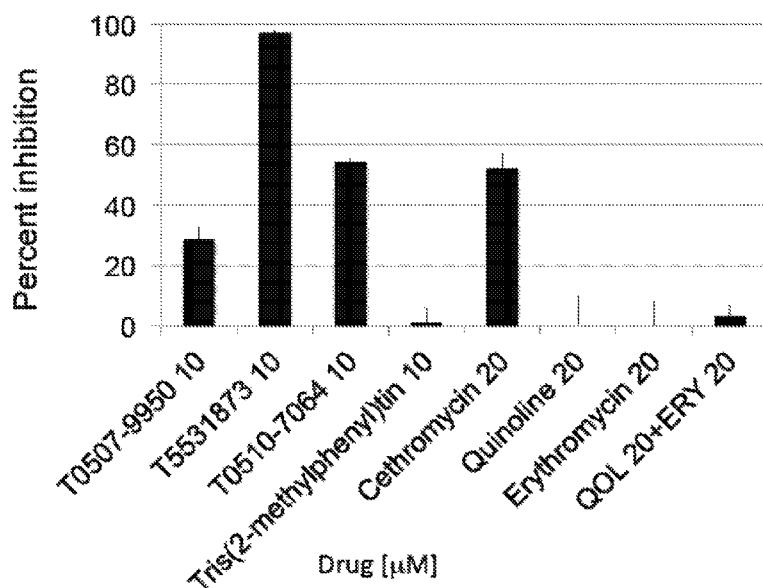
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(54) Title: MACROLIDE COMPOUNDS AND THEIR USE IN LIVER STAGE MALARIA AND RELATED DISEASE

FIGURE 3A



(57) Abstract: A novel quantum-based computational process for drug discovery and design was used to identify potential novel liver-stage anti-malarial therapeutic molecules. The approach combined the latest big-data advances in high-throughput bioassay development with fundamental scientific knowledge to generate new pharmaceutical leads. Several molecules with no previous association with anti-parasitical activity were identified. These molecules and their use in prevention and/or treatment of Plasmodium infections are provided.



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