

(19)



(11) Patent Number: KE 806

(45) Date of grant: 21/09/2018

(12) PATENT

(51) Int.Cl.2016.01: A 61P 33/06

(21) Application Number:
KE/P/2017/2616

(22) Filing Date:
06/03/2017

(73) Owner:

JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY(JKUAT) of P.O. BOX 62000-00200, NAIROBI, Kenya

(72) Inventors:

JOSEPH K. NG'ANG'A, P.O. BOX 62000-00200 NAIROBI, KENYA; FRANCIS KIMANI, P.O. BOX 43640-00100, NAIROBI, KENYA; PETER KIRIRA, P.O. BOX 67829-00200, NAIROBI, KENYA; JOHNSON KINYUA, P.O. BOX 62000-00200 NAIROBI, KENYA; FLORENCE NGONGA, P.O. BOX 62000-00200, NAIROBI, KENYA; LUCY KANGETHE, P.O. BOX 62000-00200, NAIROBI, KENYA; MARTIN SIFUNA, P.O. BOX 1459 BUNGOMA, KENYA; JOSEPH NJOKA, P.O. BOX 62000-00200, NAIROBI, KENYA and MILKA WAMBUI, P. O. BOPX 62000-00200, NAIROBI, KENYA

(74) Agent/address for correspondence:

Directorate of Intellectual Property Management and University Industry liaison, Jomo Kenyatta University of Agriculture Science & Technology, P.O. Box 62000-00200, Nairobi , Kenya

(54) Title:

3-Chloro-4-(4-Chlorophenoxy) Aniline and Chloroquine as Anti malarial Composition

(57) Abstract:

An antimalarial composition comprising 3-chloro-4-(4-chlorophenoxy) aniline is disclosed. The present invention concerns the effectiveness of 3-chloro-4-(4-chlorophenoxy) aniline (ANI) of structure formula (A) below against Plasmodium falciparum. The invention provides methods of formulating 3-chloro-4-(4-chlorophenoxy) aniline for prophylaxis or treating subjects infected with malaria or other parasitic infectious diseases including but not limited to toxoplasmic infection; subjects afflicted with psychiatric conditions associated with toxoplasmic infection; and subject afflicted with cancer.