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A Detailed Examination of Atovaquone's Attributes and Analytical Approaches – An Effective Antimalarial Medication

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Abstract: *The most incurable illness in the world is malaria, which is caused by many plasmosium species, including P. falciparum and P. vivax. The many drugs used to treat malaria included antifolate compounds such as pyrimethamine, proguanil, trimethoprim, and atovaquone; and aminoalcohol mixtures such as quinine, quinidine, chloroquine, and mefloquine. The most effective medication for treating malaria is atovaquone. It must be used alone or in combination with other antimalarial medications. Atovaquone is determined using a plethora of techniques, such as Liquid Chromatography-Mass Spectroscopy UV-Visible spectroscopy, and High Performance Liquid Chromatography. Pharmaceutical items are analysed using a variety of analytical techniques, all of which have been verified in compliance with ICH requirements. Therefore, the routine quality control analysis of atovaquone using this approach may be performed without risk.*

Keywords: Malaria, Antimalarial drugs, Atovaquone.