

Anti-malarial Treatment Selector

Charts revised December 2023. Full information available at www.hiv-druginteractions.org

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	ATV/c	ATV/r	DRV/c	DRV/r	LPV/r	DOR	EFV	ETV	NVP	RPV oral	FTR	LEN	MVC	BIC/F/TAF	CAB oral	CAB/RPV	DTG	EVG/c/F/TAF	EVG/c/F/TDF	RAL	FTC/TAF	FTC/TDF
First line and Second line Drugs																						
Amodiaquine	↑	↑	↔	↑	↑	↔	↑ a	↓?	↓29% a	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔
Artemisinin	↑	↑	↑	↑	↑	↓	↓	↓↓	↓↓	↓	↓	↑↑	↓	↓ b	↔	↓	↔	↑	↑	↔	↔	↔
Atovaquone	↔	↓10%	↔	↓ c	↓74% c	↔	↓75% c	↓ c	↑55%	↓ c	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔
Chloroquine	↔ d	↔ d	↔ d	↔ d	↔ d	↔	↔ e	↔ f	↔ f	↔ g	↔	↑	↔	↔	↔	↔ g	↔	↔ d	↔ d	↔	↔	↔
Clindamycin	↑	↑	↑	↑	↑	↔	↓	↓	↓	↔	↔	↑	↔	↔	↔	↔	↔	↑	↑	↔	↔	↔
Doxycycline	↔	↔	↔	↔	↔	↔	↓?	↓?	↓?	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔
Halofantrine	↑	↑	↑	↑	↑	↔	↓	↓	↓	↔	↔	↑	↔	↔	↔	↔	↔	↑	↑	↔	↔	↔
Hydroxychloroquine	↑	↑	↑	↑	↑	↔	↔ e	↓	↓	↔	↔	↑	↔	↔	↔	↔	↔	↑	↑	↔	↔	↔
Lumefantrine	↑	↑	↑	↑175%	↑382% ♥	↔	↓~40% ♥	↓13%	↓46%	↔	↔	↑	↔	↔	↔	↔	↔	↑10%	↑	↑	↔	↔
Mefloquine	↑	↑	↑	↑	↑28% ♥	↔	↓	↓	↓	↔	↔	↑	↔	↔	↔	↔	↔	↑	↑	↔	↔	↔
Piperaquine	↑	↑	↑ g	↑ g	↑	↑	↓	↓	↓	↑	↔	↑	↓	↓ b	↔	↔	↔	↑ g	↑ g	↔	↔	↔
Primaquine	↔	↔	↔	↔	↔	↔	↔ h	↔ h	↔ h	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔
Proguanil	↔	↓41% c	↔	↓ c	↓38% c	↔	↓44% c	↑ c	↓ c	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔
Pyrimethamine	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↑ i	↔	↔	↔	↑ i	↑ i	↔	↑ i	↑ i
Quinine	↑ j	↑ j	↑ j	↑ j	↑56% ♥	↔	↓	↓	↓	↔	↔	↑	↑	↔	↔	↔	↔	↑ j	↑ j	↔	↔	↔
Sulfadoxine	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↔	↑ k	↔	↔	↔	↑ k	↑ k	↔	↑ k	↑ k

<p>Interactions with CAB/RPV long acting injections Pharmacokinetic interactions shown are mostly with RPV. QT interactions shown are with RPV.</p> <p>Interactions with Lenacapavir Residual LEN may affect exposure of sensitive CYP3A4 substrates initiated within 9 months after stopping subcutaneous LEN.</p> <p>Interactions with Ibalizumab None</p>	<p>Interactions with Abacavir (ABC), Lamivudine (3TC), Tenofovir-DF (TDF) or Zidovudine (ZDV) ABC: No clinically relevant interactions expected. 3TC: Increased 3TC exposure with pyrimethamine, sulfadoxine. TDF: No clinically relevant interactions expected. ZDV: Potential additive haematological toxicity with amodiaquine, atovaquone, primaquine, pyrimethamine, sulfadoxine.</p>
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Colour Legend

- No clinically significant interaction expected.
- These drugs should not be coadministered.
- Potential interaction which may require a dose adjustment or close monitoring.
- Potential interaction predicted to be of weak intensity. No *a priori* dosage adjustment is recommended.

Text Legend

- ↑ Potential increased exposure of the anti-malarial drug
 - ↓ Potential decreased exposure of the anti-malarial drug
 - ↔ No significant effect
 - ♥ One or both drugs may cause QT and/or PR prolongation. ECG monitoring is advised if coadministered with atazanavir or lopinavir. Efavirenz has a potential risk of QT prolongation relating specifically to homozygous carriers of CYP2B6*6/*6. Rilpivirine and fostemsavir were shown to prolong the QT interval at supratherapeutic doses. Caution is advised with rilpivirine. ECG monitoring is advised with fostemsavir and drugs with a known QT prolongation risk.
- Numbers refer to increase or decrease in AUC as observed in drug-drug interaction studies.

Notes

- a Liver toxicity
- b No effect on FTC or TAF is expected, but bictegravir concentrations may decrease.
- c Take with a high fat meal. Consider dose increase.
- d Chloroquine may increase, but to a moderate extent due to the multiple elimination pathways. No dosage adjustment is recommended but monitor toxicity.
- e Chloroquine/hydroxychloroquine may increase (inhibition of CYP2C8) or decrease (induction of CYP3A4). No dosage adjustment is recommended but monitor toxicity and efficacy.
- f Chloroquine may decrease, but to a moderate extent due to the multiple elimination pathways. No dosage adjustment is recommended but monitor efficacy.
- g ECG monitoring should be considered.
- h Increase of haemotoxic metabolites
- i FTC exposure may increase; no *a priori* dosage adjustment is recommended in patients with normal renal function.
- j An increase in exposure would be expected based on quinine metabolism, however, two interaction studies with LPV/r have shown a decrease in quinine exposure. It is recommended to monitor for side effects and also efficacy.
- k Sulfadoxine is rarely used alone, but is usually given in combination with pyrimethamine. Pyrimethamine may increase FTC exposure, but no *a priori* dosage adjustment is recommended in patients with normal renal function.