

Interaction Report

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Antiretroviral Treatment

Dolutegravir/Lamivudine (DTG/3TC)
Lopinavir/ritonavir (LPV/r)

Co-medications

Ethinylestradiol
Levonorgestrel (Emergency Contraception)

This report lists the summaries of potential interactions (i.e. "red", "amber" and "yellow" classifications) for the drugs in the table above.

Interactions with a "green" or "grey" classification (i.e. no clinically significant interaction or no clear data) have been checked and are listed at the end of this report, but summaries are not shown.

For full details of all interactions, see www.hiv-druginteractions.org.

Description of the interactions

Potential clinically significant interaction - likely to require additional monitoring, alteration of drug dosage or timing of administration (AMBER)

Lopinavir/ritonavir (LPV/r) + Ethinylestradiol

Ethinylestradiol AUC decreased by 42% and norethindrone AUC decreased by 17% (data from 12 HIV- subjects) when an oral contraceptive was coadministered with lopinavir/ritonavir. Coadministration of lopinavir/ritonavir and a patch contraceptive decreased ethinylestradiol AUC by 45% and increased norelgestromin AUC by 83%. Further studies are required to assess the safety and contraceptive efficacy of coadministration with a contraceptive patch. Use other contraceptive methods, i.e., barrier. Note, use of ethinylestradiol as part of gender affirming treatment is not recommended due to thrombotic risks.

Potential weak interaction - additional action/monitoring or dosage adjustment is unlikely to be required (YELLOW)

Lopinavir/ritonavir (LPV/r) + Levonorgestrel (Emergency Contraception)

Coadministration with levonorgestrel for emergency contraception has not been studied. As levonorgestrel is metabolized by CYP3A4, there is potential for coadministration to increase levonorgestrel exposure. However, since levonorgestrel is used as a single dose for emergency contraception, any interaction is unlikely to be clinically significant.

No clinically significant interaction expected (GREEN)

Dolutegravir/Lamivudine (DTG/3TC) + Ethinylestradiol

Dolutegravir/Lamivudine (DTG/3TC) + Levonorgestrel (Emergency Contraception)