

Interaction Report

Report ID:
Date Produced: 14 May 2021

Antiretroviral Treatment**Co-medications**

Abacavir (ABC)
Atazanavir + ritonavir (ATV/r)
Lamivudine (3TC)

Estradiol

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)

Atazanavir + ritonavir (ATV/r) + Estradiol

Coadministration with estradiol as hormone replacement therapy (HRT) has not been studied. Estradiol is metabolized by CYP3A4, CYP1A2 and is glucuronidated. Coadministration could potentially decrease estradiol exposure due to induction of CYP1A2 and glucuronidation (rather than increase it due to inhibition of CYP3A4). Monitor for signs of estrogen deficiency.

No clinically significant interaction expected (GREEN)

Abacavir (ABC) + Estradiol

Lamivudine (3TC) + Estradiol