Drug-drug interactions after oral and intramuscular administration of cabotegravir and rilpivirine

- Intramuscular administration avoids drug-drug interactions at the gastrointestinal level.
- Drug-drug interactions can still occur with intramuscular administration.
- Intramuscular administration does not mitigate the magnitude of interactions with inducers.

### Mechanisms of drug-drug interactions with cabotegravir and rilpivirine

**Oral administration**

- Change in gastric pH
- Chelation with divalent cations
- Inhibition/induction of CYP3A4 and transporters

**Intramuscular administration**

- Bypassed

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<th>Stomach/intestine</th>
<th>Oral administration</th>
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### Examples of drugs interacting with oral, but not intramuscular, administration

**Cabotegravir**
- Antacids
- Calcium
- Iron
- Magnesium
- Multivitamins containing divalent cations
- Orlistat
- Strontium ranelate

**Rilpivirine**
- Antacids
- Famotidine
- Lansoprazole
- Liraglutide
- Omeprazole
- Orlistat
- Pantoprazole
- Rabeprazole
- Ranitidine

Adapted from: www.smart.servier.com