

Table 15d. Drug Interactions between CCR5 Antagonist and Other Drugs (Updated January 10, 2011)

This table provides information relating to pharmacokinetic interactions between MVC and non-ARV drugs. For interactions among ARV agents and for dosing recommendations, please refer to [Table 16b](#).

Concomitant Drug Class/Name	CCR5 Antagonist	Effect on CCR5 Antagonist or Concomitant Drug Concentrations	Dosing Recommendations and Clinical Comments
Anticonvulsants			
Carbamazepine Phenobarbital Phenytoin	MVC	↓ MVC possible	If used without a strong CYP3A inhibitor, use MVC 600 mg BID or an alternative antiepileptic agent.
Antifungal			
Itraconazole	MVC	↑ MVC possible	Dose: MVC 150 mg BID
Ketoconazole	MVC	MVC AUC ↑ 400%	Dose: MVC 150 mg BID
Voriconazole	MVC	↑ MVC possible	Consider dose reduction to MVC 150 mg BID
Antimycobacterials			
Clarithromycin	MVC	↑ MVC possible	Dose: MVC 150 mg BID
Rifabutin	MVC	↓ MVC possible	If used without a strong CYP3A inducer or inhibitor, use MVC 300 mg BID. If used with a strong CYP3A inhibitor, use MVC 150 mg BID.
Rifampin	MVC	MVC AUC ↓ 64%	Coadministration is not recommended. If coadministration is necessary use MVC 600 mg BID. If coadministered with a strong CYP3A inhibitor, use MVC 300 mg BID.
Herbal Products			
St. John's wort	MVC	↓ MVC possible	Coadministration is not recommended.
Hormonal Contraceptives			
Hormonal contraceptives	MVC	No significant effect on ethinyl estradiol or levonorgestrel	Safe to use in combination
Narcotics/Treatment for Opioid Dependence			
Methadone	MVC	No data	

Acronyms: ARV = antiretroviral, AUC = area under the curve, BID = twice daily, CYP = cytochrome P, MVC = maraviroc

Table 15e. Drug Interactions between Integrase Inhibitor and Other Drugs (Updated January 10, 2011)

Concomitant Drug Class/Name	Integrase Inhibitor	Effect on Integrase Inhibitor or Concomitant Drug Concentrations	Dosing Recommendations and Clinical Comments
Acid Reducers			
Omeprazole	RAL	RAL AUC ↑ 212%, C _{max} ↑ 315%, and C _{min} ↑ 46%	No dosage adjustment recommended
Antimycobacterials			
Rifabutin	RAL	RAL AUC ↑ 19%, C _{max} ↑ 39%, and C _{min} ↓ 20%	No dosage adjustment recommended
Rifampin	RAL	RAL AUC ↓ 40% and C _{min} ↓ 61% with RAL 400 mg Rifampin with RAL 800 mg BID compared with RAL 400 mg BID alone: RAL AUC ↑ 27% and C _{min} ↓ 53%	Dose: RAL 800 mg BID Monitor closely for virologic response.
Hormonal Contraceptives			
Hormonal contraceptives	RAL	No clinically significant effect	Safe to use in combination
Narcotics/Treatment for Opioid Dependence			
Methadone	RAL	No significant effect	No dosage adjustment necessary

Acronyms: AUC = area under the curve, BID = twice daily, C_{max} = maximum plasma concentration, C_{min} = minimum plasma concentration, RAL = raltegravir