

Drug Interactions with HAART and Methadone

DRUG	EFFECT OF ANTIRETROVIRAL THERAPY ON METHADONE	EFFECT OF METHADONE ON ANTIRETROVIRAL THERAPY
NUCLEOSIDE/NUCLEOTIDE ANALOGUES		
Abacavir	Decreased methadone clearance 25%	Decreased abacavir peak concentration 34%
Didanosine, buffered tablet	Unknown	Decreased didanosine AUC 57%
Didanosine, enteric-coated capsule	Unknown	No significant change in didanosine AUC
Lamivudine	Unknown	No significant change when given as zidovudine-lamivudine
Stavudine	Unknown	Decreased stavudine AUC 23%
Tenofovir disoproxil fumarate	Unknown	No significant change in tenofovir DF
Zalcitabine	Unknown	Unknown
Zidovudine	Unknown	Increased zidovudine AUC 41%
NON NUCLEOSIDE ANALOGUES		
Delavirdine	Unknown, although potential increased methadone effect	No change in delavirdine or N-delavirdine
Efavirenz	Decreased methadone levels 57%	Unknown
Nevirapine	Decreased methadone levels 51%	Unknown
PROTEASE INHIBITORS (PIS)		
Amprenavir	Decreased methadone AUC 35%	Decreased amprenavir AUC, C _{max} , C _{min}
Indinavir	No significant change in methadone AUC	Insignificant change in indinavir AUC; increased indinavir C _{min} 50%-100%; decreased indinavir C _{max} 16%-36%
Lopinavir-ritonavir	Decreased methadone AUC 36%	Unknown
Nelfinavir	Decreased methadone AUC 40%	Decreased nelfinavir metabolite (M8) AUC 53%; clinical significance unknown
Ritonavir	Decreased methadone AUC 36%	Unknown
Saquinavir, hard-gel capsule	Unknown with saquinavir as sole PI	Unknown with saquinavir as sole PI
Saquinavir, soft-gel capsule	Unknown with saquinavir as sole PI; unbound methadone concentrations unchanged when using saquinavir and ritonavir concurrently	Unknown with saquinavir as sole PI; potential reduction in saquinavir C _{min} when using saquinavir and ritonavir concurrently

AUC, area under the concentration time curve; C_{max}, maximum drug concentration or peak level; C_{min}, minimum drug concentration or trough level.
 Drug Interactions Associated With HAART: Focus on Treatments for Addiction and Recreational Drugs. AIDS Reader 13(9):433-450, 2003. Available at www.medscape.com/viewarticle/461892_4