

PKPD model

**Intravenous bolus – One compartment – Effect compartment model-
Parallel study design**

Model	OFV	Population estimate (%SE)	Between subject variability (%SE)
	2819.75		
CL (L/hr)		1.06 (3.4)	27.2 % (15)
V (L)		9.54 (3.1)	30.5 % (12.5)
Residual variability			
Proportional error		6% (14.4)	
Additive error		1.0 ug/ml (6.9)	
PKPD model: Effect compartment model			
Effect = Emax•Cp/(EC50+Cp)	4858.9		
Keo (1/hr)		0.46 (3.1)	32% (13.8)
Emax (ng/ml)		91.1 (3.2)	30% (16.9)
EC50 (ug/ml)		8.8 (3.7)	31% (23.8)
Residual variability			
Additive error		1.9ng/ml (12.0)	