

**PKPD model**

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

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