

			Estimate	% RSE	95% CI	Shrinkage (%)
Structural model parameters						
KOUT (1/day)	$\exp(\theta_2)/(1 + \exp(\theta_2))$	Offset rate	0.302	0.291	0.301, 0.303	-
EC50 (ng*hr/mL)	θ_3	MM parameter for concentration eliciting half of max effect	93.4	3.57	86.9, 100	-
EMAX (score/day)	θ_4	MM parameter for max effect	-1.01	2.97	-1.06, -0.948	-
τ	θ_5	Dispersion parameter	7.97	0.969	7.82, 8.12	-
PBOeffect	$\exp(\theta_6)/(1 + \exp(\theta_6))$	Onset rate of placebo effect	0.815	-	FIXED	-
γ_0	θ_7	Boundary condition parameter	1.46	1.02	1.43, 1.48	-
γ_1	θ_8	Boundary condition parameter	0.550	5.66	0.489, 0.611	-
PBOoff	θ_9	Offset rate of placebo effect	0.223	-	FIXED	-
Interindividual variance parameters						
IIV-EMAX	$\Omega_{(1,1)}$	Variance of EMAX	0.0103 [SD=0.0199]	2.77	0.00976, 0.0109	1.00e-10
IIV-KOUT	$\Omega_{(3,3)}$	Variance of KOUT	0.0110 [SD=0.0220]	3.26	0.0103, 0.0117	1.00e-10
IIV-EC50	$\Omega_{(4,4)}$	Variance of EC50	0.0100 [CV%=10.0]	1.96	0.00965, 0.0104	37.6

Abbreviations: CI = confidence intervals; RSE = relative standard error; CV = coefficient of variation; MM = Michaelis-menten; SE = standard error

Confidence intervals = estimate \pm 1.96 \cdot SE

CV% of log-normal omegas = $\sqrt{\exp(\text{estimate}) - 1} \cdot 100$