

**Table 2.** Model prediction parameters and bootstrap results

	Estimate (RSE%)	Bootstrap median (95%CI)
Fixed effect		
$\theta(E_{\max}, \%)$	17.4 (2.7)	17.3 (15.8, 18.9)
$\theta(ET_{50, CIC}, \text{week})$	1.2 (19.4)	1.2 (0.5, 2.0)
$\theta(ET_{50, BUD}, \text{week})$	3.0 (29.4)	2.92 (1.3, 4.7)
Inter-study variability		
$\eta(ET_{50}), \%$	38.3 (27.6)	36.8 (10.3, 56.8)
Residual variability		
$\epsilon, \%$	13.6 (10.5)	13.6 (10.0, 16.2)

**Table 3.** Efficacy prediction of two ICs at different time points (estimated value, 95% CI)

	2 weeks	4 weeks	8 weeks	12 weeks
BUD	7.0 (5.3, 10.3)	10.0 (8.2, 12.9)	12.7 (11.2, 14.7)	13.9 (12.7, 15.4)
CIC	10.8 (9.7, 12.1)	13.3(12.6, 14.1)	15.1 (14.6, 15.6)	15.8 (15.3, 16.3)