**Supplemental Digital Content 7 : ABP-700 likelihood profiles for the estimated Bispectral Index (BIS) pharmacodynamic parameters.**



*Ce50, TYP* represents the typical population model parameters for the effect-site concentration at 50 % effect as measured by the bispectral index (BIS) and *ke0,BIS,TYP* represents the typical population model parameters for the first-order rate constant plasma and effect-site. γ represents the steepness of the pharmacodynamic Emax curve for BIS effect.