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Supplementary Materials

Clinical Evaluation Based on a New Approach to Improve the Accuracy of 4β-Hydroxycholesterol Measurement as a Biomarker of CYP3A4 Activity

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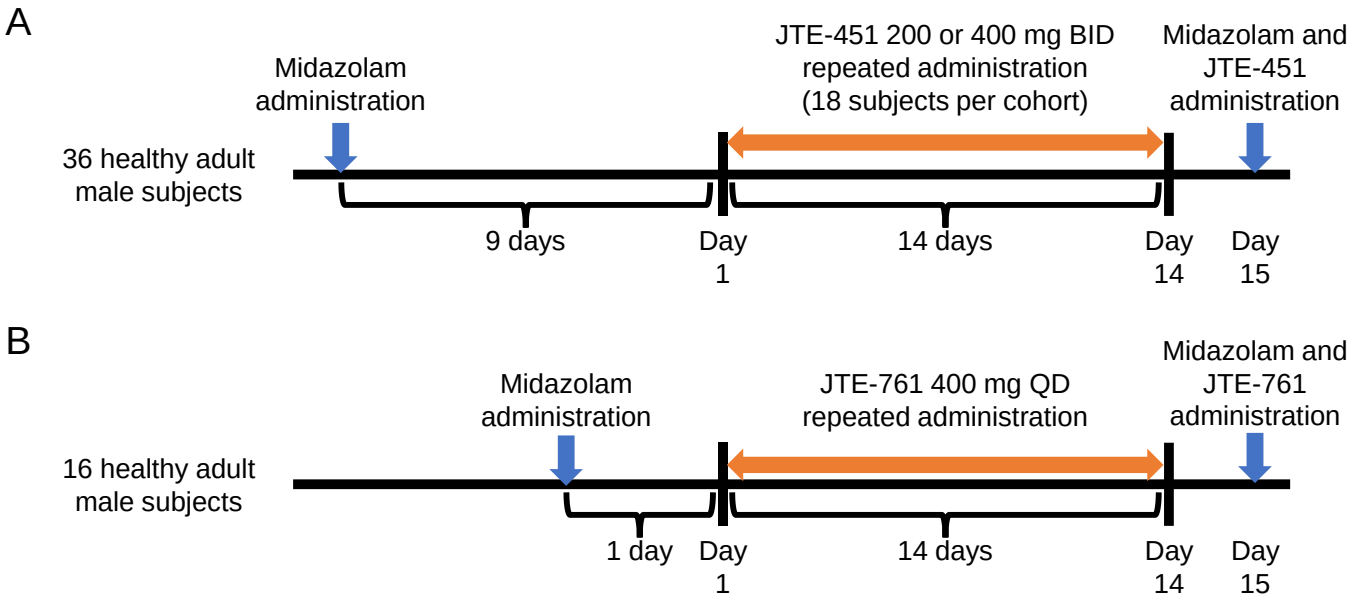

Figure S1. The dosing schedules of JTE-451 (A) and JTE-761 (B) in clinical DDI studies. The clinical DDI study of JTE-451 was conducted in 36 healthy adult male subjects. Thirty-six subjects were enrolled into two cohorts where subjects received either 200 or 400 mg BID dosing of JTE-451 (18 subjects per cohort). All subjects received a single oral dose of 3 mg midazolam 9 days prior to administration of JTE-451. Then, JTE-451 was administered for 14 consecutive days (Days 1 to 14). On Day 15, JTE-451 was co-administered with 3 mg midazolam. The clinical DDI study of JTE-761 was conducted in 16 healthy adult male subjects. Sixteen subjects were enrolled in a cohort where subjects received 400 mg QD dosing of JTE-761. All subjects received a single oral dose of 3 mg midazolam 1 day prior to administration of JTE-761. Then, JTE-761 was administered for 14 consecutive days (Days 1 to 14). On Day 15, JTE-761 was co-administered with midazolam.

Table S1. The parameters of LC-MS/MS and LC-HRMS.

Parameters	LC-MS/MS	LC-HRMS
Ion spray voltage (V)	4500	5500
Temperature (**°C**)	450	500
Curtain gas (psi)	30	25
Ion source gas 1 (psi)	60	50
Ion source gas 2 (psi)	80	50
Collision gas (psi)	8	-