Supplementary Table S1: The plasma samples were analyzed by liquid phase mass spectrometry. The pharmacokinetic parameters are determined based on the average concentration-time data in the research-oriented test drug. Use WinNonlin® Professional 6.3 non-isolated module to calculate parameters (drug peak concentration, peak time and final elimination rate, etc.). The calculation of PK parameters does not include any BLQ (10ng/mL) concentration.

| LC-MS methods |
|----------------|
| LC method (HPLC: Shimadzu LC20AD) |
| Column: Waters ACQUITY BEH C8 1.7um 2.1*50mm |
| Mobile Phase: A: 0.1% formic acid (FA) aqueous solution | B: 0.1% FA in acetonitrile (CAN) |
| HPLC Gradient |
| Total time (min) | Flow rate (μL/min) | A (%) | B (%) |
| 0.01 | 500 | 70 | 30 |
| 0.3 | 500 | 70 | 30 |
| 1.3 | 500 | 2 | 98 |
| 2 | 500 | 2 | 98 |
| 2.2 | 500 | 70 | 30 |
| 2.7 | 500 | 70 | 30 |

Mass Spectrometer Conditions (Mass Spectrometer: API4000)

| Ionization Mode: ESI |
|----------------------|
| Compound ID: |
| Q1 | Q3 | DP | CE |
| Die | 296 | 250.1 | 100 | 17 |
| Simvastatin-1 | 419.2 | 199.5 | 100 | 15 |

Sample processing:
For rabbit plasma samples: In an EP tube, 5 μL of duplicate samples, QC samples and rabbit plasma samples with 150 μL ACN (50 ng / mL propranolol and 200 ng / mL tolbutamide and 500 ng / mL diisopropylcarbodiimide). Vortex the mixture for 1 minute, centrifuge for 10 minutes (13,000 rpm, 4 °C), transfer 50 μL of the supernatant to a 96-well plate containing 150 μL of pure water, shake for 10 minutes, and finally inject 10 μL into the liquid phase. Grade mass spectrometry system.
Supplementary Table S2: Cerebrospinal fluid-liquid phase mass spectrometry. Rabbit cerebrospinal fluid before, 3h, 5h, 8h, 24h, 3, 7, 14 and 28 days after the operation were tested.

Cerebrospinal fluid-liquid phase mass spectrometry

|                  | Shimadzu LC20AD | CTC PAL | API4000 |
|------------------|-----------------|---------|---------|
| HPLC:            |                 |         |         |
| Autosampler:     |                 |         |         |
| Mass Spectrometer: |               |         |         |
| **LC Method**    |                 |         |         |
| Column:          |                 |         |         |
| Thermo Hypersil Gold 1.9um 50*2.1mm |
| Mobile Phase:    | 0.1%FA in water | 0.1%FA in ACN |
| **HPLC Gradient** | 0.01 | 500 | 70 | 30 |
| Total Time(min)  | 0.30            | 500    | 70 | 30 |
| Flow Rate(μL/min)| 0.90            | 500    | 40 | 60 |
| A(%)            | 2.00            | 500    | 5   | 95 |
| B(%)            | 2.40            | 500    | 5   | 95 |
|                | 2.50            | 500    | 70  | 30 |
|                | 3.00            | 500    | 70  | 30 |

Mass Spectrometer Conditions

Ionization Mode: ESI

| Compound ID | Q1      | Q3  | DP | CE |
|-------------|---------|-----|----|----|
| Tol         | 271.0   | 74.2| 70 | 22 |
| Simvastatin-1 | 419.2 | 199.5 | 100 | 15 |

Sample processing:
Rabbit cerebrospinal fluid samples: In an EP tube, duplicate samples of 10 μL, duplicate QC samples and rabbit cerebrospinal fluid samples with 60 μL ACN (50 ng/mL propranolol and 200 ng/mL tolbutamide and 500 ng/mL diisopropylcarbodiimide). Vortex the mixture for 1 minute, centrifuge for 10 minutes (13,000 rpm, 4 °C), transfer 50 μL of the supernatant to a 96-well plate containing 150 μL of pure water, shake for 10 minutes, and finally inject 10 μL into the liquid phase. Grade mass spectrometry system.