**Supplementary File 7：**

**Liver microsome stability and PK parameters of MYF-01-37, MYF-03-69 and MYF-03-176.**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **MYF-01-037** | **MYF-03-69** | **MYF-03-176** |
| Liver microsome stability **T1/2 – min** | 10 (mouse) | 25 (mouse) | 16 (mouse), 40 (human) |
| PK parameters | IV (1 mg/kg) | IV (1 mg/kg) | IV (1 mg/kg) | IP(3 mg/kg) | IV(2 mg/kg) | IP(5 mg/kg) | PO (10 mg/kg) |
| **T1/2 – hr** | 0.33 | 0.28 | 0.28 | 0.18 | 0.84 | 0.86 | 1.6 |
| **Clobs – mL/min/kg** | 197 | 43 | 43 |  | 31 | 48 | 130 |
| **AUClast – hr\*ng/mL** | 84 | 425 | 425 | 880 | 1142 | 1733 | 1451 |
| **Vss – L/kg** | 3.3 | 0.86 | 0.86 |  | 0.93 |  |  |
| **Cmax – ng/mL** |  |  |  | 1100 |  | 1510 | 756 |
| **F – %** |  |  |  | 69 |  | 61 | 25 |