**Supplementary Table 1:**

Summary of the mass spectrometer conditions and the compound parameters for glyburide and glipizide.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Compound** | **Polarity** | **Precursor m/z** | **Product m/z** | **Collision Energy (V)** |
| Glipizide (ISTD) | Positive | 446.2 | 93.18 | 47 |
| Glipizide (ISTD) | Positive | 446.2 | 103.14 | 41 |
| Glipizide (ISTD) | Positive | 446.2 | 286.11 | 25 |
| Glyburide | Positive | 494.1 | 169.08 | 36 |
| Glyburide | Positive | 494.1 | 304.11 | 27 |
| Glyburide | Positive | 494.1 | 369.08 | 16 |