

Table 5 : Pharmacokinetic Parameters of the Phosphodiesterase Type 5 Inhibitors

| Pharmacokinetic Parameters of the Phosphodiesterase Type 5 Inhibitors | | | |
|--|--|---|--|
| Parameter | Sildenafil (single 100 mg dose) | Vardenafil (single 20 mg dose) | Tadalafil (single 20 mg dose) |
| Bioavailability (%) | 41 | 15 | Undetermined |
| Maximum plasma concentration (C_{max}) (ng/ml) | 560 | 17 | 378 |
| Change in C_{max} with food | 29% decrease | 20% decrease | No change |
| Time to maximum concentration (T_{max}) (h) | 0.83 | 1.0 | 2.0 |
| Volume of distribution (L) | 105 | 208 | 63 |
| Protein binding (percentage bound) | 96 | 95 | 94 |
| Half-life (h) | 3.7 | 3.3–3.9 | 17.5 |
| Percentage excreted in faeces/urine | 80/13 | 92/5 | 61/36 |