**Supplementary Data**

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| **Drug** | **[Peak Serum]** | **Supplementary****Reference** | **Dose in Reference** |
| **Carboplatin** | 39μM | (1) | 400 mg/m2 |
| **Paclitaxel** | 0.41μM | (2) | 135 mg/m2 |
| **Gefitinib** | 1μM | (3) | 250 mg/m2 |
| **Erlotinib** | 2.5μM | (4) | 150 mg/m2 |
| **Vinorelbine** | 0.5μM | (5) | 25 mg/m2 |
| **Pemetrexed** | 178μM | (6) | 600 mg/m2 |
| **Cisplatin** | 4.7μM | (7) | 150 mg/m2 |
| **Gemcitabine** | 20μM | (8) | 1000 mg/m2 |
| **Docetaxel** | 3.7μM | (9) | 100 mg/m2 |
| **Vorinostat** | 1.81μM | (10) | 4x400mg daily |
| **Panobinostat** | 1.5μM | (11) | 20mg/m2 |

Supplementary Table 1. Peak Serum Concentration of Chemotherapy Agents in Humans.

**Supplementary References**

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