**Table 3: Combination Index calculation using Chou and Talalay method in U937 cell lines:**

**--------------------------------------------------------------------U937 (48hr)--------------------------------------------------------**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Thio (uM)** | **NSP-B (uM)** | **Fractional effect (Fa)** | **Combination Index (CI)** | **Dose Reduction Index (DRI)****Thio** **(µM)** | **Dose Reduction Index (DRI)****NSP-B****(uM)** |
| **1** |  | **0.015** |  |  |  |
| **2.5** |  | **0.477** |  |  |  |
| **5** |  | **0.629** |  |  |  |

 |

**Median Dose (Dm) = 3.515**

**Exponent shape of curve (m)= 3.008 ± 1.004**

**Linear correlation coefficient (r) = 0.948**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Thio (uM)** |  **NSP-B (uM)** | **Fractional effect (Fa)** | **Combination Index (CI)** | **Dose Reduction Index (DRI)****Thio****(µM)** | **Dose Reduction Index (DRI)****NSP-B****(uM)** |
|  | **1** | **0.237** |  |  |  |
|  | **2.5** | **0.387** |  |  |  |
|  | **5** | **0.43** |  |  |  |

**Median Dose (Dm) = 7.194**

**Exponent shape of curve (m) = 0.562 ± 0.145**

**Linear correlation coefficient (r) = 0.968**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Thio (uM)** | **NSP-B (uM)** | **Fractional effect (Fa)** | **Combination Index (CI)** | **Dose Reduction Index (DRI)****Thio****(µM)** | **Dose Reduction Index (DRI)****NSP-B****(uM)** |
| **1** | **1** | **0.49** |  **0.437** | **3.469** | **6.701** |
| **2.5** | **2.5** | **0.568** |  **0.862** | **1.54** | **4.679** |
| **5**  | **5** |  **0.701** | **1.224** |  **0.933** | **6.536** |