**Table 2: Combination Index calculation using Chou and Talalay method in K562 cell lines:**

**--------------------------------------------------------------------K562 (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** |  | **0.059** |  |  |  |
| **2.5** |  | **0.423** |  |  |  |
| **5** |  | **0.592** |  |  |  |

 |

**Median Dose (Dm) = 3.652**

**Exponent shape of curve (m)= 1.99 ±0.477**

**Linear correlation coefficient (r) = 0.972**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **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** | **0.282** |  |  |  |
|  | **2.5** | **0.348** |  |  |  |
|  | **5** | **0.409** |  |  |  |

**Median Dose (Dm) = 14.511**

**Exponent shape of curve (m) = 0.351 ± 0.011**

**Linear correlation coefficient (r) = 0.999**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **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** | **0.511** | **0.328** | **3.734** | **16.449** |
| **2.5** | **2.5** | **0.599** | **0.614** | **1.787** | **18.205** |
| **5**  | **5** | **0.685** | **0.964** |  **1.079** | **26.531** |