**A**

- Cell seeding in 384 well plate
- Compound treatment (Total 24 drugs)
- Incubation for 3 days
- Luminescence ATP detection Assay
- ENVISION reading
- Data analysis (Drug response curve IC$_{50}$)

**B**

<table>
<thead>
<tr>
<th>Drug</th>
<th>Target</th>
<th>IC$_{50}$ (nM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BEZ235*</td>
<td>$PI3K$, $mTOR$</td>
<td>69</td>
</tr>
<tr>
<td>BKM120*</td>
<td>$PI3K$</td>
<td>240</td>
</tr>
<tr>
<td>Cabozatinib</td>
<td>$VEGFR2$</td>
<td>2,900</td>
</tr>
<tr>
<td>Carboplatin†</td>
<td>DNA synthesis</td>
<td>4,800</td>
</tr>
<tr>
<td>Crizotinib</td>
<td>$C-Met/ALK$</td>
<td>730</td>
</tr>
<tr>
<td>DAPT*</td>
<td>$\gamma$-secretase</td>
<td>&gt; 20,000</td>
</tr>
<tr>
<td>Docetaxel†</td>
<td>microtubule</td>
<td>0.2</td>
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<tr>
<td>Dovitinib</td>
<td>$FLT3/c-Kit$, $FGFR1/3$, $VEGFR1-4$</td>
<td>750</td>
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<tr>
<td>Erlotinib</td>
<td>$EGFR$</td>
<td>3,100</td>
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<tr>
<td>Etoposide</td>
<td>topoisomerase II</td>
<td>440</td>
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<tr>
<td>Gefitinib</td>
<td>$EGFR$</td>
<td>1,600</td>
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<tr>
<td>Gemcitabine</td>
<td>DNA synthesis</td>
<td>0.5</td>
</tr>
<tr>
<td>Irinotecan</td>
<td>topoisomerase I</td>
<td>230</td>
</tr>
<tr>
<td>Lapatinib</td>
<td>$EGFR/HER2$</td>
<td>2,700</td>
</tr>
<tr>
<td>Nintedanib</td>
<td>$VEGFR1/2/3$, $FGFR1/2/3$, $PDGFR\alpha/\beta$</td>
<td>&gt; 20,000</td>
</tr>
<tr>
<td>Paclitaxel</td>
<td>microtubule</td>
<td>1.5</td>
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<tr>
<td>Pazopanib</td>
<td>$VEGFR1/2/3$, $PDGFR$, $FGFR$, c-Kit, c-Fms</td>
<td>6,500</td>
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<tr>
<td>Pemetrexed</td>
<td>folate and metabolite</td>
<td>340</td>
</tr>
<tr>
<td>Saracatinib</td>
<td>$SRC$, $ABL$</td>
<td>2,700</td>
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<tr>
<td>Selumetinib*</td>
<td>$MEK$</td>
<td>640</td>
</tr>
<tr>
<td>Sorafenib</td>
<td>multi-targeted RTK ($RAFT-1/B-RAF/VEGFR2$)</td>
<td>2,100</td>
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<tr>
<td>Sunitinib</td>
<td>multi-targeted RTK ($VEGFR2/PDGFR\beta$)</td>
<td>2,400</td>
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<tr>
<td>Temsirolimus</td>
<td>$mTOR$, $HIF-1/2$, VEGF</td>
<td>7,800</td>
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<tr>
<td>Vemufafenib</td>
<td>$B-RAF$ (p.V600E)</td>
<td>3,000</td>
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<tr>
<td>Vinblastine</td>
<td>microtubule</td>
<td>0.5</td>
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</tbody>
</table>