**Product Name**: BGP-15

**Catalog Number**: T3649

**CAS Number**: 66611-37-8

**Molecular Formula**: C14H24Cl2N4O2

**Molecular Weight**: 351.27

**Appearance**: Solid

**Description**: BGP-15 is a PARP inhibitor with protecting effect after ischemia-reperfusion injury.

**Storage**: 2 years at -80°C in solvent; 3 years at -20°C powder;

**Solubility**

<table>
<thead>
<tr>
<th>Solvent</th>
<th>Solubility</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMSO</td>
<td>65 mg/mL (185 mM)</td>
</tr>
<tr>
<td>Ethanol</td>
<td>65 mg/mL (185 mM)</td>
</tr>
<tr>
<td>Water</td>
<td>64 mg/mL (182.2 mM)</td>
</tr>
</tbody>
</table>

(< 1 mg/mL refers to the product slightly soluble or insoluble)

**Receptor (IC50)**

<table>
<thead>
<tr>
<th>Receptor</th>
<th>IC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>PARP</td>
<td></td>
</tr>
</tbody>
</table>

**Cell Assay**

Human tumor cell lines A549, HCT-15, HCT-116, and Du-145 were maintained in RPMI 1640 medium supplemented with 10% FCS in humidified air containing 5% CO2. For in vitro cytotoxicity assays, 5×103 to 5×104 cells were plated into the wells of 96-well plates in 100 μL culture medium. On the following day, cells were exposed to BGP-15 (10, 30, 100 μg/mL) and to a series of concentrations of cisplatin either by itself or in combination. Cultures were incubated in a total volume of 200 μL for 3 more days at 37°C. Cell growth was evaluated by MTT or SRB assays. Growth inhibition curves were calculated. (Only for Reference)

**Cell line**: Human tumor cell lines A549, HCT-15, HCT-116, and Du-145

**Animal Experiment**

Animal Model: NMRI CV1 mice, BD2F1 mice and Wistar rats

**Reference**


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Information for product storage and handling is indicated on the product datasheet. Targetmol products are stable for long term under the recommended storage conditions. Our products may be shipped under different conditions as many of them are stable in the short-term at higher or even room temperatures. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, please follow the storage recommendations on the product data sheet.