**Product Name**: JTE-013  
**Catalog Number**: T15629  
**CAS Number**: 383150-41-2  
**Molecular Formula**: C17H19Cl2N7O  
**Molecular Weight**: 408.29  
**Appearance**: white to off-white powder

**Description**: JTE-013 is an effective and specific antagonist of S1P2. JTE-013 suppresses the specific binding of radiolabeled S1P to human and rat S1P2 (IC50s: 17 nM and 22 nM, respectively).

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

<table>
<thead>
<tr>
<th>Solubility</th>
<th>DMSO</th>
<th>100 mg/mL (244.92 mM), Need ultrasonic</th>
<th>( &lt; 1 mg/ml refers to the product slightly soluble or insoluble )</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Receptor (IC50)</th>
<th>Human</th>
<th>Rat</th>
</tr>
</thead>
<tbody>
<tr>
<td>S1P2</td>
<td>17 nM</td>
<td>22 nM</td>
</tr>
</tbody>
</table>

**In vitro Activity**

JTE-013 is a S1P2 antagonist. JTE-013 (50-200 μM; 1-3 days) decreased cell viability. JTE-013 shows 4.2% inhibition of S1P3 and does not antagonize S1P1 at concentrations up to 10 μM. JTE-013 (10-1000 nM; 30 mins) reverses S1P-induced Akt inhibition and inhibits S1P-induced ERK activation.

**In vivo Activity**

JTE-013 (gavage; 30 mg/kg daily for 14 consecutive days) decreases tumor size and tumor weight. The modification of JTE-013 to produce the AB1 compound improved potency, intravenous pharmacokinetics, cellular activity, and antitumor activity in NB and may have enhanced clinical and experimental applicability.

**Reference**


**FOR RESEARCH PURPOSES ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**

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.